APPENDIX IV

CLOSURE PROCEDURES DOCUMENTATION (ON COMPACT DISC)

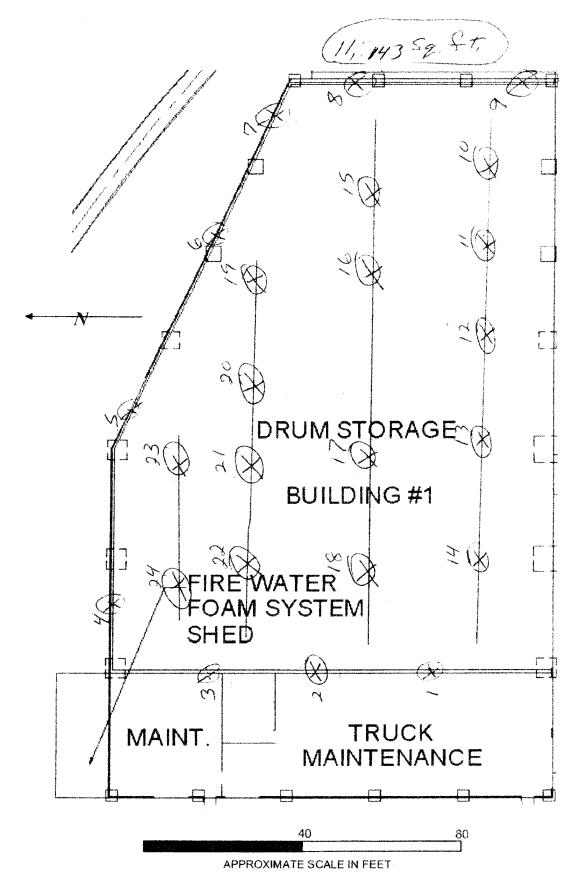


Figure B-10
Drum Storage Building #1

3

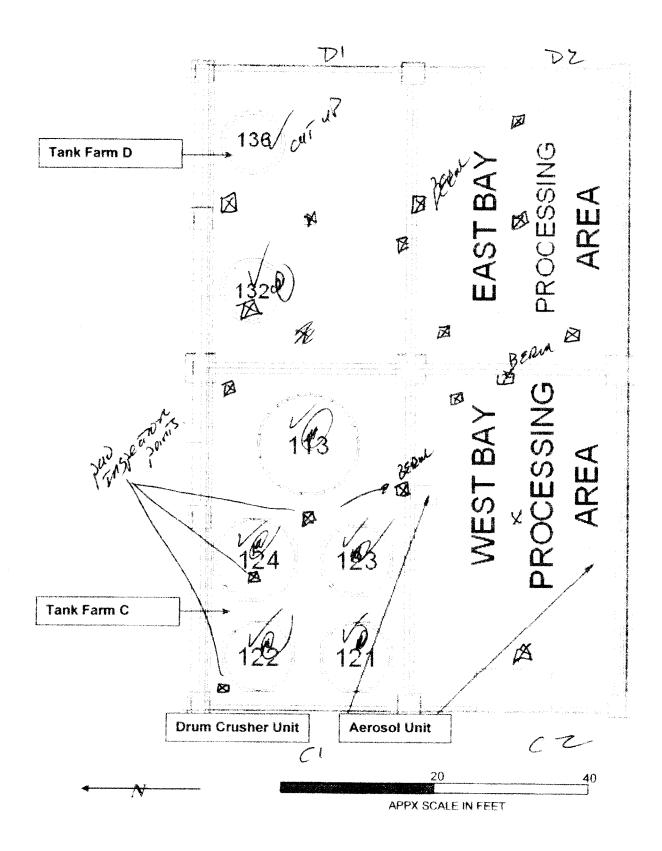


Figure B-8
Tank Farms C, D and West and East Processing Areas

| EQUIPMENT ID: _ | T101 | DATE: 2-24-09 |
|-----------------|-------------|---------------|
| HWMU/SWMU ID: | TANK FARM A | |

| SOP SECT.# | SOP STEP | COMPLETED (Y - N - N/A) |
|---------------|--|----------------------------|
| 2.1 | If decontamination was not conducted "in-place", equipment was inspected, drained of any free liquids, and moved to a bermed containment area before decontamination. | na n |
| 2.2 | Equipment was inspected for vapors and checked for confined space requirements. Gas meter reading: | 4 |
| 2.2 | If reading was >10% LEL, equipment was vented and purged, and an atomized water spray was used to knock down vapors. Continuous monitoring was conducted at the outlet port to insure <10% LEL outside the tank at all times. | NA |
| 2.2 | All ports, manways, hatches, or inspection points were opened and allowed to air out. | 4 |
| 2.2 | Equipment was inspected and found to be free of visible contamination and no presence of organic constituents. (Skip decontamination and rinsing procedures and go to verification procedures on Section 2.9) | n |
| 2.2 | Containment pads provided adequate containment of waste from washing and rinsing. | 4 |
| 2.3 | Scaffolding was erected for equipment systems higher than 6 feet without fixed elevated work surfaces. | NA |
| 2.3 | Spray barriers or protective sheeting were installed (if there is a possibility of overspray beyond the containment area). | nA |
| 2.3 | Washing equipment and supplies, water sources, and washwater collection points were available. | Ÿ |
| 2.3 | Ingress and egress were limited to a single retaining wall, stair well or ladder. | AA Y |
| 2.3 | Emergency equipment and PPE decontamination stations were in place. | 1 |
| 2.3 | Tank, vessel or process equipment drain lines/valves were connected to a temporary storage tank to hold the spent washwater. | nA |
| 2.4 | Accumulated debris or sludge found in the bottom of a tank or process vessel was collected and placed into DOT containers or totes for waste determination and proper disposal. | 7 |
| 2.5 | If needed, flushing of irregular internal surfaces was performed with washwater or a sodium hydroxide solution. Solution used: | NA |
| 2.6 | Pre-soaking was performed with washwater. | 0 |
| 2.7 | Exterior surfaces were pressure washed. | 4 |
| 2.7 | Interior surfaces were pressure washed. Irregular internal chambers and voids are pressure were pressure washed using a mole or wide angle rotor washing attachment. | 210 |
| 2.8 | Exterior surfaces were rinsed twice. | 1 |
| 2.8 | Interior surfaces were rinsed twice. | T |
| 2.8 | Spent rinseate was transferred to a temporary storage tank. | 4 |
| 2.9 | Verification of successful decontamination was conducted in accordance with Section 6 (see Form Appendix B1). | MA |
| 2.10 | Should general pressure washing of tank surfaces require more vigorous decontamination, the following course of action was taken using hydroblasting of selected surfaces to remove rust, scale, or stubborn build up of contamination | 4 |
| 2.10 | Spent hydroblasting rinse water was allowed to drain into secondary containment and was collected immediately and continuously, and pumped to the temporary holding tank located in Tank Farm D. | Y |

| 2.10 | Plastic or cloth barriers were erected to prevent overspray or ejection of particles beyond the control zone, if necessary. | 4 |
|------|---|---|
| 2.10 | Conducted hydroblasting in accordance with the safety and operational policies found in the Clean Harbors hydroblasting safety and procedure guidelines. | 4 |
| 2.10 | All manways on tank opened prior to commencement of high pressure spraying. | V |
| 2.10 | Tank surfaces were checked visually every few minutes to monitor progress and determine results. | 4 |
| 2.10 | Hydroblasted surfaces were allowed to dry. | V |
| 2.10 | Verification of successful decontamination was conducted in accordance with Section 6 (see Form Appendix B1). | 4 |
| 2.10 | Any remaining loose scale or material in pitted surfaces was/were manually removed using wire brushes or hand grinders. | 7 |
| 2.10 | Solids were collected from the containment pad sump and from the first stage of the filter system and containerized for characterization and determination for proper disposal. | 4 |

INSTRUCTIONS:

Equipment IDs are found in SOP Appendix A (Inventory of Units and Equipment). Note any comments on the back of this form and reference the SOP Section #.

| EQUIPMENT ID: 7/01 | | DATE: | 2-24-09 |
|-----------------------------------|---|-----------------------|---|
| | JID: TANK FARM A | _ | |
| | | | |
| SOP SECT. # | | COMMENTS | |
| | TANK itig | OBPASTED | BEFARE INSPECTION |
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| | this form based on my actions or | | nal observations and/or inquiry of |
| observations, and a and accurate. | attest that the information noted is true | properly and accurate | als, I attest that this form was ely completed. |
| | | -mh | Issa- |
| Lead Technician Signature | | Project S | aperintendent Signature |
| | | mike i | Gipson |
| Lead | Technician Printed Name | Project Su | perintendent Printed Name |
| | 3-9-09 | 3 | 9-0 9 Date |
| Date | | | Date |

| | | Equipment Information | |
|---|-----------------|------------------------------|---------------------------------------|
| HWMU/SWMU: | TANK FAR | Equipment ID: | 7101 |
| Tank | Carbon St | teel Stainless Steel | HDPE Other: |
| Process Equipment | ☐ Carbon St | teel Stainless Steel 🗆 | HDPE Other: |
| | | TANK EVER 100 | |
| - · · · · · · · · · · · · · · · · · · · | (:1 .:6) | TANK EXTERIOR | · · · · · · · · · · · · · · · · · · · |
| Exterior Location #1 | (identify): | WEST TOP CENT | TER. |
| Observations: | | | |
| Surface contamina | tion: 🖵 Yes 👺 N | lo Staining: 🖵 Yes 📽 No | Residues in cracks, pits: Yes No |
| Exterior Location #2 | (identify): | MORTH MIDDLE | near manuay |
| Observations: | • | | / |
| Surface contamina | tion: 🗖 Yes 🛍 N | lo Staining: 🗆 Yes 🖪 No | Residues in cracks, pits: 🖵 Yes 🔞 No |
| Exterior Location #3 | (identify): | BOTTOM GATTER | near DRAM nozzes |
| Observations: | | | |
| Surface contamina | tion: 🗆 Yes 🙆 N | lo Staining: 🗖 Yes 🗹 No | Residues in cracks, pits: Yes No |
| Remaining Exterior | Surfaces | ALL | |
| Observations: | 1 | | |
| Surface contamina | tion: 🗖 Yes 🔊 N | o Staining: 🗆 Yes 🏿 No | Residues in cracks, pits: Yes No |
| | | | |
| | | TANK INTERIOR | |
| Interior Location #1 | (identify): | CEMBR CELLINE | NEAR HATCH |
| Observations: | | SUGHT | RUST COLOR ONLY |
| Surface contamina | tion: 🗖 Yes 🏿 N | o Staining: 🗖 Yes 🙇 No | Residues in cracks, pits: 🗆 Yes 🗷 No |
| Interior Location #2 | (identify): | WEST MIDDLE | |
| Observations: | | | UST COLOR ONLY |
| Surface contamina | tion: 🗆 Yes 🏿 N | o Staining: 🗖 Yes 🗷 No | Residues in cracks, pits: 🗖 Yes 🖪 No |
| Interior Location #3 | (identify): | BOTTOM CONTELL | near DRAIN |
| Observations: | | | |
| Surface contaminat | ion: 🛘 Yes 🛭 N | o Staining: 🗆 Yes 💋 No | Residues in cracks, pits: 🗖 Yes 🛎 No |
| Remaining Interior S | urfaces | ALL | |
| Observations: | | SPOTTY AUST | (010PZ |
| Surface contaminat | ion: 🛭 Yes 🛭 N | o Staining: 🗆 Yes 🗷 No | Residues in cracks, pits: 🛘 Yes 🖥 No |

| Equipment Information | | | |
|--|---|-------------------------|--|
| HWMU/SWMU: | DANK FORM A | Equipment ID: | 701 |
| | | | 1 770 |
| | Verifi | ication Comment | ts |
| | | | |
| | TANK | HYDRUBLEST | 30 PRIVE TO INSTECTION |
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| NOTES | Cl | | Land to the total of the second of the |
| See Romic Southwest | Closure SOP Section 6 to | or guidance. Attac | ch tank sketch if appropriate. |
| | Ver | ification Results | |
| | Pass | | Fail |
| "Pass" indicates that each | | spection: that is, eac | ch surface, when viewed without magnification, is |
| free of all visible contamir | free of all visible contaminated soil and hazardous waste except that residual staining from soil and waste consisting of light | | |
| And 1971 | | | ss, crevices, and pits may be present provided that to no more than 5% of each square inch of surface |
| area. [ref 40 CFR 268.45 Ta | | pres situit be tirrited | to no more than 5% or each square men or surface |
| | i | | hether to repeat decontamination |
| Repeat Decontaminat | | Dispos | se as hazardous waste? 🔲 Yes 🔲 No |
| Project Superintender | it Comments: | | |
| | | | 9 |
| | | | |
| Project Superir | ntendent Certification | | Project Manager Certification |
| I certify that this document an | nd all attachments were prepared | 0.000 17 | this document and all attachments were prepared under |
| Land and second to the | Based on my inquiry of those p ering the information, the inform | | or supervision in accordance with a system designed to qualified personnel properly gather and evaluate the |
| submitted is, to the best of m and complete. | ny knowledge and belief, true, acc | | submitted. Based on my inquiry of the persons who system and/or are directly responsible for gathering the |
| and complete. | | information, | the information is, to the best of my knowledge and |
| | 7.5 | belief, true, a | accurate, and complete. |
| nul | Coan | | Matt Dun |
| Project Superi | Project Superintendent Printed Name | | Project Manager Printed Name |
| / | ' Man | | (May) |
| Marke. | erintendent Signature | | Project Manager Signature |
| Froject Supe | smicengent Signature | | , roject Manager Signature |
| 3-0 | 9-09 | | 3-11-09 |
| | D-4- | | D-4- |

| EQUIPMENT ID: | 7102 | | DATE: _ | 2-24-69 |
|---------------|------|---------|---------|---------|
| HWMU/SWMU ID: | TIME | FARML A | | |

| SOP SECT.# | SOP STEP | COMPLETED (Y - N - N/A) |
|---------------|--|----------------------------|
| 2.1 | If decontamination was not conducted "in-place", equipment was inspected, drained of any free liquids, and moved to a bermed containment area before decontamination. | 'A |
| 2.2 | Equipment was inspected for vapors and checked for confined space requirements. Gas meter reading: | V |
| 2.2 | If reading was >10% LEL, equipment was vented and purged, and an atomized water spray was used to knock down vapors. Continuous monitoring was conducted at the outlet port to insure <10% LEL outside the tank at all times. | n A |
| 2.2 | All ports, manways, hatches, or inspection points were opened and allowed to air out. | <u> </u> |
| 2.2 | Equipment was inspected and found to be free of visible contamination and no presence of organic constituents. (Skip decontamination and rinsing procedures and go to verification procedures on Section 2.9) | 17 |
| 2.2 | Containment pads provided adequate containment of waste from washing and rinsing. | Y |
| 2.3 | Scaffolding was erected for equipment systems higher than 6 feet without fixed elevated work surfaces. | NA |
| 2.3 | Spray barriers or protective sheeting were installed (if there is a possibility of overspray beyond the containment area). | nA |
| 2.3 | Washing equipment and supplies, water sources, and washwater collection points were available. | Ų |
| 2.3 | Ingress and egress were limited to a single retaining wall, stair well or ladder. | 4 |
| 2.3 | Emergency equipment and PPE decontamination stations were in place. | ب ا |
| 2.3 | Tank, vessel or process equipment drain lines/valves were connected to a | |
| | temporary storage tank to hold the spent washwater. | <u>NA</u> |
| 2.4 | Accumulated debris or sludge found in the bottom of a tank or process vessel was | |
| | collected and placed into DOT containers or totes for waste determination and proper disposal. | 4 |
| 2.5 | If needed, flushing of irregular internal surfaces was performed with washwater or a sodium hydroxide solution. Solution used: | NA |
| 2.6 | Pre-soaking was performed with washwater. | j1 |
| 2.7 | Exterior surfaces were pressure washed. | t _e |
| 2.7 | Interior surfaces were pressure washed. Irregular internal chambers and voids are pressure were pressure washed using a mole or wide angle rotor washing attachment. | 2.10 |
| 2.8 | Exterior surfaces were rinsed twice. | L. |
| 2.8 | Interior surfaces were rinsed twice. | i i |
| 2.8 | Spent rinseate was transferred to a temporary storage tank. | i i |
| 2.9 | Verification of successful decontamination was conducted in accordance with Section 6 (see Form Appendix B1). | nA |
| 2.10 | Should general pressure washing of tank surfaces require more vigorous decontamination, the following course of action was taken using hydroblasting of selected surfaces to remove rust, scale, or stubborn build up of contamination | 4 |
| 2.10 | Spent hydroblasting rinse water was allowed to drain into secondary containment and was collected immediately and continuously, and pumped to the temporary holding tank located in Tank Farm D. | Y |

| 2.10 | Plastic or cloth barriers were erected to prevent overspray or ejection of particles beyond the control zone, if necessary. | i, |
|------|---|------|
| 2.10 | Conducted hydroblasting in accordance with the safety and operational policies found in the Clean Harbors hydroblasting safety and procedure guidelines. | نهه |
| 2.10 | All manways on tank opened prior to commencement of high pressure spraying. | Ü |
| 2.10 | Tank surfaces were checked visually every few minutes to monitor progress and determine results. | 4 |
| 2.10 | Hydroblasted surfaces were allowed to dry. | T. |
| 2.10 | Verification of successful decontamination was conducted in accordance with Section 6 (see Form Appendix B1). | 7 |
| 2.10 | Any remaining loose scale or material in pitted surfaces was/were manually removed using wire brushes or hand grinders. | البا |
| 2.10 | Solids were collected from the containment pad sump and from the first stage of the filter system and containerized for characterization and determination for proper disposal. | 4 |

INSTRUCTIONS:

Equipment IDs are found in SOP Appendix A (Inventory of Units and Equipment). Note any comments on the back of this form and reference the SOP Section #.

p. 2 of 3 p. B-4

| EQUIPMENT ID: 7102 | DATE: 2-24-09 |
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| HWMU/SWMU ID: Tome FACIL A | |
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| SOP SECT. # | COMMENTO |
| SOF SECT.# | COMMENTS |
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| I have completed this form based on my actions or observations, and attest that the information noted is true and accurate. | Based on my personal observations and/or inquiry of responsible individuals, I attest that this form was properly and accurately completed. |
| | Make Aym |
| Lead Technician Signature | Project Superintendent Signature |
| | MIKE GAPSON |
| Lead Technician Printed Name | Project Superintendent Printed Name |
| 3/6/69 Date | 3/9/09 Date |
| Date | Date |

| Equipment Information | | | | | |
|-----------------------|--|-------------|------------------|--------------|--|
| HWMU/SWMU: | Tome Fr | noin A | Equipment I | D: | 7102 |
| Tank | ☑ Carbo | n Steel 〔 | ☐ Stainless Stee | el 🔲 H | HDPE 🗖 Other: |
| Process Equipment | ment Carbon Steel Stainless Steel HDPE Other: | | HDPE Other: | | |
| | | | TANK EXTERIO | <u> </u> | |
| Exterior Location #: | (identify): | | | | N 10 - 10 - 10 |
| Observations: | | | 2041116 | N 1 | ROP ASSUE HATEH |
| Observations. | | | | | |
| Surface contamina | ition: 🗖 Yes 🛭 | XNo S | taining: 🗖 Yes | XX No | Residues in cracks, pits: 🗖 Yes 💆 No |
| Exterior Location #2 | 2 (identify): | L | uest mide | Si F. | |
| Observations: | • | | | | |
| Surface contamina | ition: 🗖 Yes 🌡 | No S | taining: 🔲 Yes | ☑ No | Residues in cracks, pits: 🗖 Yes 🙇 No |
| Exterior Location #3 | (identify): | | BOTEM (SI | 27512 | DE HE DEATH MODELS |
| Observations: | | | | _ | |
| Surface contamina | tion: 🗖 Yes 🖟 | No S | taining: 🔲 Yes | Mo No | Residues in cracks, pits: 🗆 Yes 💆 No |
| Remaining Exterior | Surfaces | | Azc. | | |
| Observations: | | | | | |
| Surface contamina | tion: 🗖 Yes 🕻 | A No S | taining: | ⊠ No | Residues in cracks, pits: 🗖 Yes 📈 No |
| | | | | | |
| | | | TANK INTERIO | OR . | |
| Interior Location #1 | (identify): | | Secriticas | | CEILING MEDE HATIZH |
| Observations: | - PANARO TO THE POTE PARTICLE TO A TAXABLE OF A PARTICLE TO A PARTICLE OF A PARTICLE O | | | <u></u> | C. P. L. P. C. |
| Surface contamina | tion: 🗖 Yes 🗓 | ∑iNo S | taining: | M No | Residues in cracks, pits: ☐ Yes ☒ No |
| Interior Location #2 | | | South M | | |
| Observations: | | | | | |
| | | | SLIE | イナテ | pust care |
| Surface contamina | tion: 🗖 Yes 🕻 | X No S | | | Residues in cracks, pits: 🗖 Yes 💆 No |
| Interior Location #3 | (identify): | | Bonom | 680 | 1722 MENZ DEAM |
| Observations: | | | | | |
| Surface contamina | tion: 🗖 Yes 🕽 | No S | taining: 🔲 Yes | Q No | Residues in cracks, pits: ☐ Yes 💆 No |
| Remaining Interior | Surfaces | | | / | <u> </u> |
| Observations: | 1 | | SLI | Gitt | RUST CCCC |
| Surface contamina | tion: 🗖 Yes 🕽 | No S | taining: 🔲 Yes | № No | Residues in cracks, pits: 🗖 Yes 💆 No |

| Equipment Information | | | | | | |
|--|---|---|--|--|--|--|
| HWMU/SWMU: | | ment ID: | 7102 | | | |
| | Varificatio | - Commond | A - | | | |
| | verijicutio | n Comment | rs | | | |
| | TANK 1 | 14000B | USTED BOTEME | | | |
| MSPECDOR | | | | | | |
| | | | | | | |
| | | | | | | |
| NOTES See Romic Southwest | Closure SOP Section 6 for guid | dance. Attac | ch tank sketch if appropriate. | | | |
| | | ion Results | | | | |
| | Pass | | Fail | | | |
| free of all visible contamin shadows, slight streaks, or | "Pass" indicates that each surface has passed visual inspection; that is, each surface, when viewed without magnification, is free of all visible contaminated soil and hazardous waste except that residual staining from soil and waste consisting of light shadows, slight streaks, or minor discolorations, and soil and waste in cracks, crevices, and pits may be present provided that such staining and waste and soil in cracks, crevices, and pits shall be limited to no more than 5% of each square inch of surface | | | | | |
| | | to decide wi | hether to repeat decontamination | | | |
| Repeat Decontaminat | | · · · · · · · · · · · · · · · · · · · | se as hazardous waste? Yes No | | | |
| Project Superintender | nt Comments: | | | | | |
| | | | | | | |
| | ntendent Certification | | Project Manager Certification | | | |
| my direction or supervision. I directly responsible for gathe | nd all attachments were prepared under Based on my inquiry of those persons ering the information, the information by knowledge and belief, true, accurate, | my direction assure that of information s manage the s information, | this document and all attachments were prepared under or supervision in accordance with a system designed to qualified personnel properly gather and evaluate the submitted. Based on my inquiry of the persons who system and/or are directly responsible for gathering the the information is, to the best of my knowledge and accurate, and complete. | | | |
| | E GREEK | | Morthow Dune | | | |
| | ntendent Printed Name | | Project Manager Printed Name | | | |
| Make | I.M. | | All | | | |
| Project Supe | erintendent Signature | | Project Manager Signature | | | |
| 3, | 19109 | | 3/11/09 | | | |
| | Date | 1 | Data | | | |

| EQUIPMENT ID: | 7103 | | DATE: | 2-25-09 |
|---------------|------|----------|-------|---------|
| HWMU/SWMU ID: | TANK | AMPINE B | | |

| SOP SECT.# | SOP STEP | COMPLETED (Y - N - N/A) |
|---------------|--|----------------------------|
| 2.1 | If decontamination was not conducted "in-place", equipment was inspected, drained of any free liquids, and moved to a bermed containment area before decontamination. | n |
| 2.2 | Equipment was inspected for vapors and checked for confined space requirements. Gas meter reading: | 9 |
| 2.2 | If reading was >10% LEL, equipment was vented and purged, and an atomized water spray was used to knock down vapors. Continuous monitoring was conducted at the outlet port to insure <10% LEL outside the tank at all times. | na |
| 2.2 | All ports, manways, hatches, or inspection points were opened and allowed to air out. | 4 |
| 2.2 | Equipment was inspected and found to be free of visible contamination and no presence of organic constituents. (Skip decontamination and rinsing procedures and go to verification procedures on Section 2.9) | И |
| 2.2 | Containment pads provided adequate containment of waste from washing and rinsing. | Y |
| 2.3 | Scaffolding was erected for equipment systems higher than 6 feet without fixed elevated work surfaces. | NA |
| 2.3 | Spray barriers or protective sheeting were installed (if there is a possibility of overspray beyond the containment area). | иА |
| 2.3 | Washing equipment and supplies, water sources, and washwater collection points were available. | V |
| 2.3 | Ingress and egress were limited to a single retaining wall, stair well or ladder. | Ÿ |
| 2.3 | Emergency equipment and PPE decontamination stations were in place. | 4 |
| 2.3 | Tank, vessel or process equipment drain lines/valves were connected to a | |
| | temporary storage tank to hold the spent washwater. | nA |
| 2.4 | Accumulated debris or sludge found in the bottom of a tank or process vessel was | |
| | collected and placed into DOT containers or totes for waste determination and proper disposal. | 7 |
| 2.5 | If needed, flushing of irregular internal surfaces was performed with washwater or a sodium hydroxide solution. Solution used: | nA |
| 2.6 | Pre-soaking was performed with washwater. | |
| 2.7 | Exterior surfaces were pressure washed. | Q |
| 2.7 | Interior surfaces were pressure washed. Irregular internal chambers and voids are pressure were pressure washed using a mole or wide angle rotor washing attachment. | 2.0 |
| 2.8 | Exterior surfaces were rinsed twice. | |
| 2.8 | Interior surfaces were rinsed twice. | V |
| 2.8 | Spent rinseate was transferred to a temporary storage tank. | ¥ |
| 2.9 | Verification of successful decontamination was conducted in accordance with Section 6 (see Form Appendix B1). | NA |
| 2.10 | Should general pressure washing of tank surfaces require more vigorous decontamination, the following course of action was taken using hydroblasting of selected surfaces to remove rust, scale, or stubborn build up of contamination | i |
| 2.10 | Spent hydroblasting rinse water was allowed to drain into secondary containment and was collected immediately and continuously, and pumped to the temporary holding tank located in Tank Farm D. | Y |

| 2.10 | Plastic or cloth barriers were erected to prevent overspray or ejection of particles beyond the control zone, if necessary. | Y |
|------|---|--|
| 2.10 | Conducted hydroblasting in accordance with the safety and operational policies found in the Clean Harbors hydroblasting safety and procedure guidelines. | 4 |
| 2.10 | All manways on tank opened prior to commencement of high pressure spraying. | Ý |
| 2.10 | Tank surfaces were checked visually every few minutes to monitor progress and determine results. | ¥ |
| 2.10 | Hydroblasted surfaces were allowed to dry. | Ÿ |
| 2.10 | Verification of successful decontamination was conducted in accordance with Section 6 (see Form Appendix B1). | \{\partial \ |
| 2.10 | Any remaining loose scale or material in pitted surfaces was/were manually removed using wire brushes or hand grinders. | ÷ |
| 2.10 | Solids were collected from the containment pad sump and from the first stage of the filter system and containerized for characterization and determination for proper disposal. | 4 |

INSTRUCTIONS:

Equipment IDs are found in SOP Appendix A (Inventory of Units and Equipment). Note any comments on the back of this form and reference the SOP Section #.

| EQUIPMENT ID: TIC3 | DATE: <u>2-25-69</u> |
|---|---|
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| HWMU/SWMU ID: TANK FRAMB | |
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| SOP SECT. # | COMMENTS |
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| | |
| I have completed this form based on my actions or | Based on my personal observations and/or inquiry of |
| observations, and attest that the information noted is true and accurate. | responsible individuals, I attest that this form was properly and accurately completed. |
| | |
| | Milestin |
| Lead Technician Signature | Project Superintendent Signature |
| | MIKE GIRSON |
| Lead Technician Printed Name | Project Superintendent Printed Name |
| 3/6/69 Date | 3/9/09 |
| Date | Date |

| Equipment Information | | | | |
|---|--|--|--|--|
| HWMU/SWMU: TANK THEM 3 Equipment ID: T10-3 | | | | |
| Tank Carbon Steel Stainless Steel HDPE Other: | | | | |
| Process Equipment | | | | |
| TANK EXTERIOR | | | | |
| Exterior Location #1 (identify): | | | | |
| Observations: | | | | |
| Observations. | | | | |
| Surface contamination: Yes No Staining: Yes No Residues in cracks, pits: Yes No | | | | |
| Exterior Location #2 (identify): Location #2 | | | | |
| Observations: | | | | |
| Surface contamination: ☐ Yes ☑ No Staining: ☐ Yes ☑ No Residues in cracks, pits: ☐ Yes ☐ Yes | | | | |
| Exterior Location #3 (identify): EAST BOTTOM CONTROL DOTTOM | | | | |
| Observations: | | | | |
| | | | | |
| Surface contamination: 🗆 Yes 🔯 No Staining: 🖸 Yes 🔯 No Residues in cracks, pits: 🗅 Yes 💢 No | | | | |
| Remaining Exterior Surfaces Au | | | | |
| Observations: | | | | |
| Surface contamination: 🗖 Yes 💢 No 🏻 Staining: 🗖 Yes 💆 No 🔻 Residues in cracks, pits: 🗖 Yes 💆 No | | | | |
| | | | | |
| TANK INTERIOR | | | | |
| Interior Location #1 (identify): UEST CEILING NOW HATCH | | | | |
| Observations: SLIGHT RUST CALL | | | | |
| Surface contamination: 🗆 Yes 🕮 No Staining: 🗖 Yes 🖼 No Residues in cracks, pits: 🗖 Yes 🖼 No | | | | |
| Interior Location #2 (identify): South MIDDIE | | | | |
| Observations: Sucre Russ co.co. | | | | |
| | | | | |
| Surface contamination: 🗆 Yes 💢 No Staining: 🗀 Yes 👺 No Residues in cracks, pits: 🗀 Yes 🔯 No | | | | |
| Interior Location #3 (identify): BOTTOTH CENTER 1400 DATE | | | | |
| Observations: | | | | |
| Surface contamination: ☐ Yes ☑ No Staining: ☐ Yes ☑ No Residues in cracks, pits: ☐ Yes ☑ No | | | | |
| Remaining Interior Surfaces ALL | | | | |
| Observations: | | | | |
| Surface contamination: 🗆 Yes 💢 No Staining: 🗖 Yes 💆 No Residues in cracks, pits: 🗀 Yes 🖼 No | | | | |

| Equipment Information | | | | | |
|---|--|-------------------------------------|---|--|--|
| HWMU/SWMU: | TOME FROM B | Equipm | | 7103 | |
| | | | | | |
| | Ver | ification | Comment | ts | |
| | HYDDOBLOSIED BEFORE INSPECTION | | | | |
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| | | | ······ | · · · · · · · · · · · · · · · · · · · | |
| | | | | | |
| NOTES See Romic Southwest | Closure SOP Section 6 | for guida | ınce. Attac | ch tank sketch if appropriate. | |
| | Ve | erificatio | n Results | | |
| | Pas. | SS | | Fail | |
| "Pass" indicates that each surface has passed visual inspection; that is, each surface, when viewed without magnification, is free of all visible contaminated soil and hazardous waste except that residual staining from soil and waste consisting of light shadows, slight streaks, or minor discolorations, and soil and waste in cracks, crevices, and pits may be present provided that such staining and waste and soil in cracks, crevices, and pits shall be limited to no more than 5% of each square inch of surface area. [ref 40 CFR 268.45 Table 1] | | | | | |
| ~ | | endent to | decide wh | hether to repeat decontamination | |
| Repeat Decontaminat | | | | se as hazardous waste? Yes No | |
| Project Superintender | Project Superintendent Comments: | | | | |
| | | | | | |
| | ntendent Certification | | | Project Manager Certification | |
| my direction or supervision. directly responsible for gathe | nd all attachments were prepare Based on my inquiry of those ering the information, the info ny knowledge and belief, true, a | e persons formation accurate, | my direction of assure that of information is manage the sinformation, to | this document and all attachments were prepared under or supervision in accordance with a system designed to qualified personnel properly gather and evaluate the submitted. Based on my inquiry of the persons who system and/or are directly responsible for gathering the the information is, to the best of my knowledge and occurate, and complete. | |
| MIVE GUSON | | | Matthew Devec | | |
| Project Superintendent Prințed Name | | | Project Manager Printed Name | | |
| Miller | | | | Mil I | |
| Project Supe | erintendent Signature | | | Project Manager Signature | |
| 3, | 19/09 | | | 3/11/09 | |
| | Date | | | Date | |

| EQUIPMENT ID: | 7104 | | DATE: | 2-25-09 |
|-----------------|------|----------|-------|---------|
| HWMU/SWMU ID: _ | TANK | FARRIN B | | |

| SOP SECT.# | SOP STEP | COMPLETED (Y - N - N/A) |
|---------------|--|----------------------------|
| 2.1 | If decontamination was not conducted "in-place", equipment was inspected, drained of any free liquids, and moved to a bermed containment area before decontamination. | И |
| 2.2 | Equipment was inspected for vapors and checked for confined space requirements. Gas meter reading: | ig. |
| 2.2 | If reading was >10% LEL, equipment was vented and purged, and an atomized water spray was used to knock down vapors. Continuous monitoring was conducted at the outlet port to insure <10% LEL outside the tank at all times. | nA |
| 2.2 | All ports, manways, hatches, or inspection points were opened and allowed to air out. | 4 |
| 2.2 | Equipment was inspected and found to be free of visible contamination and no presence of organic constituents. (Skip decontamination and rinsing procedures and go to verification procedures on Section 2.9) | n |
| 2.2 | Containment pads provided adequate containment of waste from washing and rinsing. | Ç |
| 2.3 | Scaffolding was erected for equipment systems higher than 6 feet without fixed elevated work surfaces. | NA |
| 2.3 | Spray barriers or protective sheeting were installed (if there is a possibility of overspray beyond the containment area). | na |
| 2.3 | Washing equipment and supplies, water sources, and washwater collection points were available. | Ÿ |
| 2.3 | Ingress and egress were limited to a single retaining wall, stair well or ladder. | |
| 2.3 | Emergency equipment and PPE decontamination stations were in place. | l V |
| 2.3 | Tank, vessel or process equipment drain lines/valves were connected to a | · |
| | temporary storage tank to hold the spent washwater. | MA |
| 2.4 | Accumulated debris or sludge found in the bottom of a tank or process vessel was | |
| | collected and placed into DOT containers or totes for waste determination and proper disposal. | Ų |
| 2.5 | If needed, flushing of irregular internal surfaces was performed with washwater or a sodium hydroxide solution. Solution used: | NA |
| 2.6 | Pre-soaking was performed with washwater. | 4 |
| 2.7 | Exterior surfaces were pressure washed. | Ų |
| 2.7 | Interior surfaces were pressure washed. Irregular internal chambers and voids are pressure were pressure washed using a mole or wide angle rotor washing attachment. | 2.10 |
| 2.8 | Exterior surfaces were rinsed twice. | |
| 2.8 | Interior surfaces were rinsed twice. | L. |
| 2.8 | Spent rinseate was transferred to a temporary storage tank. | Ļ |
| 2.9 | Verification of successful decontamination was conducted in accordance with Section 6 (see Form Appendix B1). | NA |
| 2.10 | Should general pressure washing of tank surfaces require more vigorous decontamination, the following course of action was taken using hydroblasting of selected surfaces to remove rust, scale, or stubborn build up of contamination | 4 |
| 2.10 | Spent hydroblasting rinse water was allowed to drain into secondary containment and was collected immediately and continuously, and pumped to the temporary holding tank located in Tank Farm D. | |

| 2.10 | Plastic or cloth barriers were erected to prevent overspray or ejection of particles beyond the control zone, if necessary. | 4 |
|------|---|-----|
| 2.10 | Conducted hydroblasting in accordance with the safety and operational policies found in the Clean Harbors hydroblasting safety and procedure guidelines. | 4,2 |
| 2.10 | All manways on tank opened prior to commencement of high pressure spraying. | ķ |
| 2.10 | Tank surfaces were checked visually every few minutes to monitor progress and determine results. | L. |
| 2.10 | Hydroblasted surfaces were allowed to dry. | 4 |
| 2.10 | Verification of successful decontamination was conducted in accordance with Section 6 (see Form Appendix B1). | · · |
| 2.10 | Any remaining loose scale or material in pitted surfaces was/were manually removed using wire brushes or hand grinders. | Ų |
| 2.10 | Solids were collected from the containment pad sump and from the first stage of the filter system and containerized for characterization and determination for proper disposal. | ۲ |

INSTRUCTIONS:

Equipment IDs are found in SOP Appendix A (Inventory of Units and Equipment). Note any comments on the back of this form and reference the SOP Section #.

| EQUIPMENT ID: 7704 | DATE: 225-09 |
|---|---|
| HWMU/SWMU ID: Torke From B | DATE: DATE: |
| HVVMU/SVVMU ID: 1/25/A 5783/A 5 | |
| | |
| SOP SECT. # | COMMENTS |
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| I have completed this form based on my actions or observations, and attest that the information noted is true and accurate. | Based on my personal observations and/or inquiry of responsible individuals, I attest that this form was properly and accurately completed. |
| | mkafus |
| Lead Technician Signature | Project Superintendent Signature |
| | MIKE GIRSON |
| Lead Technician Printed Name | Project Superintendent Printed Name |
| 3/6/09 | 3/9/09 |
| Date | Date |

| Equipment Information | | | | | |
|--|-----------------|--------------|--|--|--|
| HWMU/SWMU: | TAMK BAR | MB Equip | ment ID: | 7704 | |
| Tank | Carbon S | | ess Steel 🔲 H | IDPE Dother: | |
| Process Equipment | | | | | |
| | | TANK | XTERIOR | | |
| Exterior Location #1 | (identify): | | | 27.2 | |
| Observations: | (tactitity). | <u> </u> | T MID. | D18- | |
| Observations. | | | | | |
| Surface contaminat | ion: 🗖 Yes 🗖 | No Staining: | ☐ Yes Æ No | Residues in cracks, pits: 🗖 Yes 💆 No | |
| Exterior Location #2 | (identify): | 70,7 | C811781 | 3 | |
| Observations: | | | | | |
| Surface contaminat | ion: 🛭 Yes 🔯 i | No Staining: | ☐ Yes ☐ No | Residues in cracks, pits: 🗖 Yes 🕱 No | |
| Exterior Location #3 | (identify): | Beire | n (8.11) | 32 1240 DATIN | |
| Observations: | | | | | |
| Surface contaminat | ion: 🗖 Yes 💆 | No Staining: | ☐ Yes 🗖 No | Residues in cracks, pits: 🗖 Yes 🛱 No | |
| Remaining Exterior S | urfaces | ALL | | | |
| Observations: | | | | | |
| Surface contamination: Yes No Staining: Yes No Residues in cracks, pits: Yes No | | | | | |
| | | | | | |
| | | TANK I | NTERIOR | | |
| Interior Location #1 (| identify): | しごピラア | CEILING | New HATZH | |
| Observations: | | 5 | LICHT 1 | Meca HATEH PUST COLOR | |
| Surface contaminat | on: 🛘 Yes 🗷 I | No Staining: | ☐ Yes ☑ No | Residues in cracks, pits: Yes 🗷 No | |
| Interior Location #2 (| | 10637 | ::::::::::::::::::::::::::::::::::::: | ic Becer Without | |
| Observations: | | | 741122 | to the time to the time to the time to | |
| Surface contaminat | ion: [] Voc 511 | Staining: | ☐ Yes ☑ No | Residues in cracks, pits: ☐ Yes 🏖 No | |
| | | | | | |
| Interior Location #3 (Observations: | identity): | BOT | 16111 C. 2 | ENTER MERR DRAIN | |
| Observations. | | | | | |
| Surface contaminat | on: 🗖 Yes 🕅 1 | No Staining: | ☐ Yes ☐ No | Residues in cracks, pits: 🛭 Yes 🗗 No | |
| Remaining Interior Su | ırfaces | ALL | | | |
| Observations: | | | | | |
| Surface contaminati | on: 🗖 Yes 💯 1 | No Staining: | ☐ Yes ☑(No | Residues in cracks, pits: 🛘 Yes 💆 No | |

p. 1 of 2

| Equipment Information | | | | |
|---|--|--|--|--|
| HWMU/SWMU: Frank ABOM B Equ | ipment ID: 770 4 | | | |
| Vovilient | the Common to | | | |
| verijicus | tion Comments | | | |
| | | | | |
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| | | | | |
| NOTES See Romic Southwest Closure SOP Section 6 for g | uidance. Attach tank sketch if appropriate. | | | |
| Verific | ation Results | | | |
| ☑ Pass | Fail | | | |
| "Pass" indicates that each surface has passed visual inspection; that is, each surface, when viewed without magnification, is free of all visible contaminated soil and hazardous waste except that residual staining from soil and waste consisting of light shadows, slight streaks, or minor discolorations, and soil and waste in cracks, crevices, and pits may be present provided that such staining and waste and soil in cracks, crevices, and pits shall be limited to no more than 5% of each square inch of surface area. [ref 40 CFR 268.45 Table 1] | | | | |
| | nt to decide whether to repeat decontamination | | | |
| Repeat Decontamination? Yes No | Dispose as hazardous waste? ☐ Yes ☐ No | | | |
| Project Superintendent Comments: | | | | |
| | | | | |
| Project Superintendent Certification | Project Manager Certification | | | |
| I certify that this document and all attachments were prepared und my direction or supervision. Based on my inquiry of those perso directly responsible for gathering the information, the informatis submitted is, to the best of my knowledge and belief, true, accurate and complete. | my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the | | | |
| MINE GIPSON | Matthew Duna | | | |
| Project Superintendent Printed Name | Project Manager Printed Name | | | |
| Milk Syps | 916 | | | |
| Project Superintendent Signature | Project Manager Signature | | | |
| 3/9/06 | 3/11/09 | | | |
| Date | Date | | | |

| EQUIPMENT ID: | 7105 | DATE: 2-25-09 |
|---------------|-------------|---------------|
| HWMU/SWMU ID: | TANK FARM A | |

| SOP SECT.# | SOP STEP | COMPLETED (Y - N - N/A) |
|---------------|--|----------------------------|
| 2.1 | If decontamination was not conducted "in-place", equipment was inspected, drained of any free liquids, and moved to a bermed containment area before decontamination. | |
| 2.2 | Equipment was inspected for vapors and checked for confined space requirements. Gas meter reading: | ų |
| 2.2 | If reading was >10% LEL, equipment was vented and purged, and an atomized water spray was used to knock down vapors. Continuous monitoring was conducted at the outlet port to insure <10% LEL outside the tank at all times. | <i>n</i> 4 |
| 2.2 | All ports, manways, hatches, or inspection points were opened and allowed to air out. | 4 |
| 2.2 | Equipment was inspected and found to be free of visible contamination and no presence of organic constituents. (Skip decontamination and rinsing procedures and go to verification procedures on Section 2.9) | <i>(</i> 1 |
| 2.2 | Containment pads provided adequate containment of waste from washing and rinsing. | Y |
| 2.3 | Scaffolding was erected for equipment systems higher than 6 feet without fixed elevated work surfaces. | NA |
| 2.3 | Spray barriers or protective sheeting were installed (if there is a possibility of overspray beyond the containment area). | Na |
| 2.3 | Washing equipment and supplies, water sources, and washwater collection points were available. | V |
| 2.3 | Ingress and egress were limited to a single retaining wall, stair well or ladder. | Ų. |
| 2.3 | Emergency equipment and PPE decontamination stations were in place. | 4 |
| 2.3 | Tank, vessel or process equipment drain lines/valves were connected to a | |
| | temporary storage tank to hold the spent washwater. | VIA |
| 2.4 | Accumulated debris or sludge found in the bottom of a tank or process vessel was collected and placed into DOT containers or totes for waste determination and proper disposal. | V |
| 2.5 | If needed, flushing of irregular internal surfaces was performed with washwater or a sodium hydroxide solution. Solution used: | lilet |
| 2.6 | Pre-soaking was performed with washwater. | id. |
| 2.7 | Exterior surfaces were pressure washed. | Ÿ |
| 2.7 | Interior surfaces were pressure washed. Irregular internal chambers and voids are pressure were pressure washed using a mole or wide angle rotor washing attachment. | 2.40 |
| 2.8 | Exterior surfaces were rinsed twice. | Ų |
| 2.8 | Interior surfaces were rinsed twice. | Ų. |
| 2.8 | Spent rinseate was transferred to a temporary storage tank. | 2 |
| 2.9 | Verification of successful decontamination was conducted in accordance with Section 6 (see Form Appendix B1). | NA |
| 2.10 | Should general pressure washing of tank surfaces require more vigorous decontamination, the following course of action was taken using hydroblasting of selected surfaces to remove rust, scale, or stubborn build up of contamination | Ų |
| 2.10 | Spent hydroblasting rinse water was allowed to drain into secondary containment and was collected immediately and continuously, and pumped to the temporary holding tank located in Tank Farm D. | 7 |

| 2.10 | Plastic or cloth barriers were erected to prevent overspray or ejection of particles beyond the control zone, if necessary. | 4 |
|------|---|----|
| 2.10 | Conducted hydroblasting in accordance with the safety and operational policies found in the Clean Harbors hydroblasting safety and procedure guidelines. | 4 |
| 2.10 | All manways on tank opened prior to commencement of high pressure spraying. | 4 |
| 2.10 | Tank surfaces were checked visually every few minutes to monitor progress and determine results. | Ļ |
| 2.10 | Hydroblasted surfaces were allowed to dry. | Ų. |
| 2.10 | Verification of successful decontamination was conducted in accordance with Section 6 (see Form Appendix B1). | ÷ |
| 2.10 | Any remaining loose scale or material in pitted surfaces was/were manually removed using wire brushes or hand grinders. | + |
| 2.10 | Solids were collected from the containment pad sump and from the first stage of the filter system and containerized for characterization and determination for proper disposal. | ¥ |

INSTRUCTIONS:

Equipment IDs are found in SOP Appendix A (Inventory of Units and Equipment). Note any comments on the back of this form and reference the SOP Section #.

| EQUIPMENT ID: 7705 | |
|---|---|
| HWMU/SWMU ID: TANK EARING | |
| THE PAPER OF | _ |
| COD OFFIT # | |
| SOP SECT. # | COMMENTS |
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| I have completed this form based on my actions or | Based on my personal observations and/or inquiry of |
| observations, and attest that the information noted is true and accurate. | responsible individuals, I attest that this form was properly and accurately completed. |
| | , and description. |
| | Milating |
| Lead Technician Signature | Project Superintendent Signature |
| | , a |
| Lead Technician Printed Name | MILE GARSON |
| Lead Technician Printed Name | Project Superintendent Printed Name |
| 3/6/19 | 3/9/06 |
| 3/6/c9 Date | 3/9/c/9 Date |

| Equipment Information | | | | |
|--|-------------------|----------------|---------------------|---|
| HWMU/SWMU: | Tani | C FROM | 1A Equipment ID: | 7705 |
| Tank | Z Ca₁ | bon Steel | Stainless Steel | ☐ HDPE ☐ Other: |
| Process Equipme | Process Equipment | | | |
| | | | TANK EXTERIOR | |
| Exterior Location | #1 (identify) | : | SOUTH MIDD | €. |
| Observations: | | | | |
| Surface contam | ination: 🗖 Ye | s 🗷 No | Staining: 🗆 Yes 💆 🛚 | No Residues in cracks, pits: 🗖 Yes 🏝 No |
| Exterior Location | #2 (identify) | : | TOP CENTER | > |
| Observations: | | | | त्त STATAME 0.167 |
| Surface contami | nation: 🖵 Ye | s ⊊a No | Staining: 🗷 Yes 🗷 1 | No Residues in cracks, pits: Yes 1 No |
| Exterior Location | #3 (identify) | | Bettern | CENTER |
| Observations: | | | L16-H | T SPANNIC SALY |
| Surface contami | nation: 🚨 Ye | s Ģ ¥No | Staining: 🗖 Yes 🗖 N | No Residues in cracks, pits: 🗖 Yes 🕍 No |
| Remaining Exteri | or Surfaces | | AZL | |
| Observations: | | | 5774mm | 14 < 58 SUPPLIE MAGA. |
| Surface contamination: Yes No Staining: Yes No Residues in cracks, pits: Yes No | | | | |
| | | | | |
| | | | TANK INTERIOR | |
| Interior Location | #1 (identify): | | South C | ELLING FROR HATZH |
| Observations: | | | | EAT PUS COUR |
| Surface contami | nation: 🖵 Ye | s 🖫 No | Staining: 🛛 Yes 🔏 N | No Residues in cracks, pits: A Yes No |
| Interior Location | #2 (identify): | | SOUTH | middle Below 14.492H |
| Observations: | | | | City pust conce |
| Surface contami | nation: 🗖 Ye | s 🖫 No | Staining: Yes N | lo Residues in cracks, pits: Yes A'No |
| Interior Location | #3 (identify): | 1 | Bottem | moder pere dating |
| Observations: | | | | |
| Surface contami | nation: 🖵 Ye | s 🕅 No | Staining: 🗆 Yes 🖾 N | lo Residues in cracks, pits: 🗖 Yes 🖫 No |
| Remaining Interio | r Surfaces | | ALL | |
| Observations: SLIGHT PUST COLOR | | | | |
| Surface contami | nation: 🖵 Ye | s D YNo | Staining: 🗖 Yes 💆 N | lo Residues in cracks, pits: ☐ Yes ♠No |

| <u> </u> | | | |
|---|--|--|---|
| Equipment Information | | | |
| HWMU/SWMU: | TAMK FROMA Equip | ment ID: | nes |
| | 14 | | |
| | Verification | n Comment | S |
| | | 71 | |
| | | | |
| | | | |
| | | | |
| NOTES See Romic Southwes | t Closure SOP Section 6 for guid | lance. Attac | h tank sketch if appropriate. |
| | , Verificati | on Results | |
| | Pass | | Fail |
| free of all visible contam shadows, slight streaks, o | th surface has passed visual inspection inated soil and hazardous waste exceor minor discolorations, and soil and wand soil in cracks, crevices, and pits sha | ept that residu vaste in cracks | th surface, when viewed without magnification, is ual staining from soil and waste consisting of light s, crevices, and pits may be present provided that to no more than 5% of each square inch of surface |
| If equipment | failed, Project Superintendent t | o decide wh | hether to repeat decontamination |
| Repeat Decontamina | | T | se as hazardous waste? Yes No |
| Project Superintende | ent Comments: | | |
| | | | |
| | intendent Certification | | Project Manager Certification |
| my direction or supervision. directly responsible for gath | and all attachments were prepared under. Based on my inquiry of those persons hering the information, the information my knowledge and belief, true, accurate, | my direction of assure that of information is manage the sinformation, the sinformation, the sinformation is selected. | this document and all attachments were prepared under or supervision in accordance with a system designed to qualified personnel properly gather and evaluate the submitted. Based on my inquiry of the persons who system and/or are directly responsible for gathering the the information is, to the best of my knowledge and occurate, and complete. |
| | 62 61750L | | Marther Dunce |
| Project Super | rintendent Printed Name | | Project Manager Printed Name |
| Mh | MAM | | De la companya della companya della companya de la companya della |
| Project Sup | perintendent Signature | | Project Manager Signature |
| | 3-9-09 | | 3-11-09 |
| | Date | | Data |

| EQUIPMENT ID: | 7712 | DATE: | 2/10/09 | |
|---------------|-------------|-------|---------|--|
| HWMU/SWMU ID: | TAME FARM B | | | |

| SOP SECT.# | SOP STEP | COMPLETED (Y - N - N/A) |
|---------------|--|----------------------------|
| 2.1 | If decontamination was not conducted "in-place", equipment was inspected, drained of any free liquids, and moved to a bermed containment area before decontamination. | n4 |
| 2.2 | Equipment was inspected for vapors and checked for confined space requirements. Gas meter reading: | i i |
| 2.2 | If reading was >10% LEL, equipment was vented and purged, and an atomized water spray was used to knock down vapors. Continuous monitoring was conducted at the outlet port to insure <10% LEL outside the tank at all times. | $\bigcirc A$ |
| 2.2 | All ports, manways, hatches, or inspection points were opened and allowed to air out. | i |
| 2.2 | Equipment was inspected and found to be free of visible contamination and no presence of organic constituents. (Skip decontamination and rinsing procedures and go to verification procedures on Section 2.9) | i (1 |
| 2.2 | Containment pads provided adequate containment of waste from washing and rinsing. | rd |
| 2.3 | Scaffolding was erected for equipment systems higher than 6 feet without fixed elevated work surfaces. | nA. |
| 2.3 | Spray barriers or protective sheeting were installed (if there is a possibility of overspray beyond the containment area). | NA |
| 2.3 | Washing equipment and supplies, water sources, and washwater collection points were available. | Ų |
| 2.3 | Ingress and egress were limited to a single retaining wall, stair well or ladder. | 1 |
| 2.3 | Emergency equipment and PPE decontamination stations were in place. | i |
| 2.3 | Tank, vessel or process equipment drain lines/valves were connected to a | |
| | temporary storage tank to hold the spent washwater. | M |
| 2.4 | Accumulated debris or sludge found in the bottom of a tank or process vessel was collected and placed into DOT containers or totes for waste determination and proper disposal. | <u> </u> |
| 2.5 | If needed, flushing of irregular internal surfaces was performed with washwater or a sodium hydroxide solution. Solution used: | ΛA |
| 2.6 | Pre-soaking was performed with washwater. | i) |
| 2.7 | Exterior surfaces were pressure washed. | l' |
| 2.7 | Interior surfaces were pressure washed. Irregular internal chambers and voids are pressure were pressure washed using a mole or wide angle rotor washing attachment. | n.4 |
| 2.8 | Exterior surfaces were rinsed twice. | i i |
| 2.8 | Interior surfaces were rinsed twice. | 4 |
| 2.8 | Spent rinseate was transferred to a temporary storage tank. | - |
| 2.9 | Verification of successful decontamination was conducted in accordance with Section 6 (see Form Appendix B1). | 4 |
| 2.10 | Should general pressure washing of tank surfaces require more vigorous decontamination, the following course of action was taken using hydroblasting of selected surfaces to remove rust, scale, or stubborn build up of contamination | NA. |
| 2.10 | Spent hydroblasting rinse water was allowed to drain into secondary containment and was collected immediately and continuously, and pumped to the temporary holding tank located in Tank Farm D. | NA |

| 2.10 | Plastic or cloth barriers were erected to prevent overspray or ejection of particles beyond the control zone, if necessary. | 114 |
|------|---|-----|
| 2.10 | Conducted hydroblasting in accordance with the safety and operational policies found in the Clean Harbors hydroblasting safety and procedure guidelines. | |
| 2.10 | All manways on tank opened prior to commencement of high pressure spraying. | |
| 2.10 | Tank surfaces were checked visually every few minutes to monitor progress and determine results. | 100 |
| 2.10 | Hydroblasted surfaces were allowed to dry. | |
| 2.10 | Verification of successful decontamination was conducted in accordance with Section 6 (see Form Appendix B1). | |
| 2.10 | Any remaining loose scale or material in pitted surfaces was/were manually removed using wire brushes or hand grinders. | |
| 2.10 | Solids were collected from the containment pad sump and from the first stage of the filter system and containerized for characterization and determination for proper disposal. | N' |

INSTRUCTIONS:

Equipment IDs are found in SOP Appendix A (Inventory of Units and Equipment). Note any comments on the back of this form and reference the SOP Section #.

| EQUIPMENT I | D: <u>7112</u> | DATE: | 2-10-09 | | |
|---------------|--|-------------|--|--|--|
| HWMU/SWMU ID: | | | | | |
| | | | V | | |
| SOP SECT. # | | COMMENTS | | | |
| 2.3 | DRAN CINE connec | 720 78 Ains | THE TE HELDING TIME | | |
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| | | | | | |
| | this form based on my actions or attest that the information noted is true | | nal observations and/or inquiry of als, I attest that this form was aly completed. | | |
| | | M | Superintendent Signature | | |
| | nd Technician Signature | | Superinterdent Signature WE GIPSon | | |
| Lead | Technician Printed Name | | perintendent Printed Name | | |
| | 3/2/09 Date | | /4/09 Date | | |

| Equipment Information | | | | |
|-----------------------|---|---|--|--|
| HWMU/SWMU: | 7/12 | Equipment ID: Timk Topin B | | |
| Tank | Carbon 9 | | | |
| Process Equipment | ☐ Carbon S | Steel Stainless Steel HDPE Other: | | |
| | | | | |
| m | /: L .:5 \ | TANK EXTERIOR | | |
| Exterior Location #1 | (identity): | north side Middle | | |
| Observations: | | | | |
| Surface contamina | tion: 🗖 Yes 🕸 | No Staining: Yes XNo Residues in cracks, pits: XYes No | | |
| Exterior Location #2 | (identify): | TOP MIDDLE | | |
| Observations: | 1 | | | |
| Surface contamina | tion: 🗖 Yes 💆 | No Staining: Tes Yes Yoo Residues in cracks, pits: Yes X No | | |
| Exterior Location #3 | (identify): | BOTEM MIDIXE- | | |
| Observations: | | | | |
| Surface contamina | tion: 🗖 Yes 🔏 🛚 | No Staining: Tes Tho Residues in cracks, pits: Tes Mo | | |
| Remaining Exterior S | Surfaces | Are | | |
| Observations: | | | | |
| | | | | |
| Surface contamina | Surface contamination: 🗖 Yes 💆 No Staining: 🗖 Yes 💆 No Residues in cracks, pits: 🗖 Yes 💆 No | | | |
| | | | | |
| | | TANK INTERIOR | | |
| Interior Location #1 | (identify): | TOP CEUME NEW HATEH | | |
| Observations: | | | | |
| Surface contaminat | ion: 🗖 Yes 💆 I | No Staining: Yes Yoo Residues in cracks, pits: Yes Xoo | | |
| Interior Location #2 | (identify): | SOUTH SIDE MIDDLE | | |
| Observations: | | | | |
| Surface contaminat | ion: 🗖 Yes 💆 I | No Staining: Yes No Residues in cracks, pits: Yes No | | |
| Interior Location #3 | (identify): | Bonon Heir Dann | | |
| Observations: | | | | |
| Surface contaminat | ion: 🗖 Yes 💯 I | No Staining: Yes YNo Residues in cracks, pits: Yes YNo | | |
| Remaining Interior S | urfaces | ALL | | |
| Observations: | | <i>y y</i> | | |
| Surface contaminat | ion: 🛭 Yes 💯 🛭 | No Staining: Yes XNo Residues in cracks, pits: Yes XNO | | |

| Equipment Information | | | | |
|---|---|--|--|--|
| HWMU/SWMU: | TANKOWMB Equipm | ment ID: | 7712. | |
| r | Varification | C | - | |
| | venjicatioi | n Comment | ts . | |
| | | | | |
| | | | | |
| | | | | |
| | | | | |
| NOTES See Romic Southwes | et Closure SOP Section 6 for guid | lance. Attac | ch tank sketch if appropriate. | |
| | | on Results | | |
| | Pass | | Fail | |
| "Pass" indicates that each surface has passed visual inspection; that is, each surface, when viewed without magnification, is free of all visible contaminated soil and hazardous waste except that residual staining from soil and waste consisting of light shadows, slight streaks, or minor discolorations, and soil and waste in cracks, crevices, and pits may be present provided that such staining and waste and soil in cracks, crevices, and pits shall be limited to no more than 5% of each square inch of surface | | | | |
| area. [ref 40 CFR 268.45 T If equipment | | to decide w | hether to repeat decontamination | |
| Repeat Decontamina | | | se as hazardous waste? Yes No | |
| Project Superintende | | | | |
| | | | | |
| | rintendent Certification | | Project Manager Certification | |
| my direction or supervision directly responsible for gath | and all attachments were prepared under b. Based on my inquiry of those persons hering the information, the information my knowledge and belief, true, accurate, | my direction assure that information manage the information, | this document and all attachments were prepared under or supervision in accordance with a system designed to qualified personnel properly gather and evaluate the submitted. Based on my inquiry of the persons who system and/or are directly responsible for gathering the the information is, to the best of my knowledge and accurate, and complete. | |
| MIL | HE GISSON | | Matthew Direce | |
| Project Supe | erintendent Printed Name | | Project Manager Printed Name | |
| M | aki Lussa | | M | |
| Project Sur | perintendent Signature | | Project Manager Signature | |
| ************************************** | 3/4/09 | | 3/9/09 | |
| | Date | | Date | |

| EQUIPMENT ID: | 713 | | DATE: _ | 2/11/09 |
|---------------|------|--------|---------|---------|
| HWMU/SWMU ID: | TANK | FARM C | | |

| SOP SECT.# | SOP STEP | COMPLETED (Y - N - N/A) |
|---------------|--|----------------------------|
| 2.1 | If decontamination was not conducted "in-place", equipment was inspected, drained of any free liquids, and moved to a bermed containment area before | A 1 |
| | decontamination. | nA |
| 2.2 | Equipment was inspected for vapors and checked for confined space requirements. Gas meter reading: | 4 |
| 2.2 | If reading was >10% LEL, equipment was vented and purged, and an atomized | |
| | water spray was used to knock down vapors. Continuous monitoring was conducted at the outlet port to insure <10% LEL outside the tank at all times. | NA |
| 2.2 | All ports, manways, hatches, or inspection points were opened and allowed to air out. | į. |
| 2.2 | Equipment was inspected and found to be free of visible contamination and no | |
| | presence of organic constituents. (Skip decontamination and rinsing procedures | |
| | and go to verification procedures on Section 2.9) | in |
| 2.2 | Containment pads provided adequate containment of waste from washing and | |
| | rinsing. | 7 |
| 2.3 | Scaffolding was erected for equipment systems higher than 6 feet without fixed elevated work surfaces. | MA |
| 2.3 | Spray barriers or protective sheeting were installed (if there is a possibility of | . A |
| | overspray beyond the containment area). | NA |
| 2.3 | Washing equipment and supplies, water sources, and washwater collection points | |
| | were available. | *T |
| 2.3 | Ingress and egress were limited to a single retaining wall, stair well or ladder. | ť |
| 2.3 | Emergency equipment and PPE decontamination stations were in place. | ţ. |
| 2.3 | Tank, vessel or process equipment drain lines/valves were connected to a | |
| | temporary storage tank to hold the spent washwater. | 7 |
| 2.4 | Accumulated debris or sludge found in the bottom of a tank or process vessel was | |
| | collected and placed into DOT containers or totes for waste determination and | Y |
| 2.5 | proper disposal. | |
| 2.5 | If needed, flushing of irregular internal surfaces was performed with washwater or a | nA |
| 2.6 | sodium hydroxide solution. Solution used: Pre-soaking was performed with washwater. | |
| 2.7 | Exterior surfaces were pressure washed. | 4 |
| 2.7 | Interior surfaces were pressure washed. Irregular internal chambers and voids are | 7 |
| 2.1 | pressure were pressure washed using a mole or wide angle rotor washing | |
| | attachment. | <u>پ</u> |
| 2.8 | Exterior surfaces were rinsed twice. | 4 |
| 2.8 | Interior surfaces were rinsed twice. | 4 |
| 2.8 | Spent rinseate was transferred to a temporary storage tank. | |
| 2.9 | Verification of successful decontamination was conducted in accordance with | |
| | Section 6 (see Form Appendix B1). | 4 |
| 2.10 | Should general pressure washing of tank surfaces require more vigorous | 1 4 |
| | decontamination, the following course of action was taken using hydroblasting of | n 4 |
| | selected surfaces to remove rust, scale, or stubborn build up of contamination | |
| 2.10 | Spent hydroblasting rinse water was allowed to drain into secondary containment | ri A |
| | and was collected immediately and continuously, and pumped to the temporary holding tank located in Tank Farm D. | 112" |

| 2.10 | Plastic or cloth barriers were erected to prevent overspray or ejection of particles beyond the control zone, if necessary. | NA |
|------|---|-----|
| 2.10 | Conducted hydroblasting in accordance with the safety and operational policies found in the Clean Harbors hydroblasting safety and procedure guidelines. | 114 |
| 2.10 | All manways on tank opened prior to commencement of high pressure spraying. | n.4 |
| 2.10 | Tank surfaces were checked visually every few minutes to monitor progress and determine results. | ИД |
| 2.10 | Hydroblasted surfaces were allowed to dry. | W4- |
| 2.10 | Verification of successful decontamination was conducted in accordance with Section 6 (see Form Appendix B1). | NA |
| 2.10 | Any remaining loose scale or material in pitted surfaces was/were manually removed using wire brushes or hand grinders. | ńΑ |
| 2.10 | Solids were collected from the containment pad sump and from the first stage of the filter system and containerized for characterization and determination for proper disposal. | VA |

INSTRUCTIONS:

Equipment IDs are found in SOP Appendix A (Inventory of Units and Equipment). Note any comments on the back of this form and reference the SOP Section #.

| EQUIPMENT ID: 7/13 HWMU/SWMU ID: 7/10/16 FABORI C | DATE: 2/11/09 |
|---|-------------------------------------|
| THOMOSOVINO ID. 15 SAIL PARTEUR | |
| SOP SECT. # | COMMENTS |
| 331 3231.11 | COMMENTO |
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| I have completed this form based on my actions or observations, and attest that the information noted is true and accurate. | |
| | Mikestern |
| Lead Technician Signature | Project Superintendent Signature |
| | MIKE GARSON |
| Lead Technician Printed Name | Project Superintendent Printed Name |
| 3/6/09 | 3/9/09 Date |
| Date | Date |

| Equipment Information | | | | |
|---|---------------------------------------|--------------------------------------|--------------------------------------|--|
| HWMU/SWMU: | TANK PARM | Equipment ID: | 7713 | |
| Tank | · | el 🗖 Stainless Steel 🗖 | HDPE Other: | |
| Process Equipment | | el 🗖 Stainless Steel 📮 | | |
| | | TANK EXTERIOR | | |
| Exterior Location #1 | (identify): | | 2 | |
| Observations: | (tachery). | TOP CENTE | | |
| Observations. | | | | |
| Surface contaminat | ion: 🗖 Yes 🗖 No | Staining: Yes W No | Residues in cracks, pits: Yes MYNo | |
| Exterior Location #2 | (identify): | 510E (| | |
| Observations: | | 3102 C | E184.71 | |
| | | | | |
| Surface contaminat | ion: 🚨 Yes 💆 No | Staining: 🚨 Yes 🗚 No | Residues in cracks, pits: 🛭 Yes 🖄 No | |
| Exterior Location #3 | (identify): | Bottom M | reac DeAnn | |
| Observations: | | | | |
| | | | | |
| Surface contaminat | ion: 🗖 Yes 💯 No | Staining: 🗖 Yes 🎾 No | Residues in cracks, pits: 🖸 Yes 💆 No | |
| Remaining Exterior S | urfaces | ALL | | |
| Observations: | | | | |
| | | | | |
| Surface contamination: 🗆 Yes 💆 No Staining: 🗖 Yes 💆 No Residues in cracks, pits: 🗖 Yes 💆 No | | | | |
| | | | | |
| · · · · · · · · · · · · · · · · · · · | | TANK INTERIOR | | |
| Interior Location #1 | identify): | 70P (81192) | Decis HATTH (Quale) | |
| Observations: | | | | |
| | | | | |
| Surface contaminat | ion: 🗖 Yes 🛱 No | Staining: 🗖 Yes 🗖 No | Residues in cracks, pits: 🗖 Yes 💆 No | |
| Interior Location #2 (| identify): | 12051 | M DDLE | |
| Observations: | · · · · · · · · · · · · · · · · · · · | | | |
| | | | | |
| Surface contaminat | ion: 🗖 Yes 🗖 No | Staining: 🗖 Yes 💆 No | Residues in cracks, pits: Yes 🗷 No | |
| Interior Location #3 (| identify): | BOTTOM CENT | | |
| Observations: | | Jew / It | | |
| | | | | |
| Surface contamination: ☐ Yes ☐ No Staining: ☐ Yes ☐ No Residues in cracks, pits: ☐ Yes ☐ | | Residues in cracks, pits: 🗖 Yes 🎜 No | | |
| Remaining Interior Su | urfaces | ALC | | |
| Observations: | | | | |
| | , | | , | |
| Surface contaminat | on: 🛭 Yes 🖫 No | Staining: 🗖 Yes 🕅 No | Residues in cracks, pits: 🗖 Yes 🗖 No | |

| | Equipment | Information | | | | |
|---|---|--|---|--|--|--|
| HWMU/SWMU: | THIKE TOM C Equipr | ment ID: | 7113 | | | |
| | Varification | | | | | |
| · · · · · · · · · · · · · · · · · · · | verification | n Comments | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | W | | | | |
| NOTES See Romic Southwes | et Closure SOP Section 6 for guid | ance. Attach | tank sketch if appropriate. | | | |
| | Verification | on Results | | | | |
| | Pass | ☐ F | ail | | | |
| "Pass" indicates that each surface has passed visual inspection; that is, each surface, when viewed without magnification, is free of all visible contaminated soil and hazardous waste except that residual staining from soil and waste consisting of light shadows, slight streaks, or minor discolorations, and soil and waste in cracks, crevices, and pits may be present provided that such staining and waste and soil in cracks, crevices, and pits shall be limited to no more than 5% of each square inch of surface area. [ref 40 CFR 268.45 Table 1] | | | | | | |
| If equipment | failed, Project Superintendent t | o decide whe | ther to repeat decontamination | | | |
| Repeat Decontamina | ation? 🗖 Yes 🚨 No | Dispose | as hazardous waste? 🔲 Yes 🔲 No | | | |
| Project Superintende | ent Comments: | | | | | |
| | | | | | | |
| | intendent Certification | P | roject Manager Certification | | | |
| my direction or supervision. directly responsible for gath | and all attachments were prepared under . Based on my inquiry of those persons hering the information, the information my knowledge and belief, true, accurate, | my direction or assure that qua information sub manage the syst information, the | document and all attachments were prepared under supervision in accordance with a system designed to alified personnel properly gather and evaluate the mitted. Based on my inquiry of the persons who tem and/or are directly responsible for gathering the information is, to the best of my knowledge and trate, and complete. | | | |
| | WE GIRSON | | Matthew Dunn | | | |
| | rintendent Printed Name | | Project Manager Printed Name | | | |
| M | The Sope | | M | | | |
| Project Sup | perintendent signature | | Project Manager Signature | | | |
| | 3/9/09 | : | 3/11/09 | | | |
| | Date | | Date | | | |

| EQUIPMENT ID: | T121 | DATE: 2-11-09 | |
|-----------------|-------|---------------|--|
| HWMU/SWMU ID: _ | TOTOK | FROM C | |

| SOP SECT.# | SOP STEP | COMPLETED (Y - N - N/A) |
|---------------|--|----------------------------|
| 2.1 | If decontamination was not conducted "in-place", equipment was inspected, drained of any free liquids, and moved to a bermed containment area before decontamination. | n4 |
| 2.2 | Equipment was inspected for vapors and checked for confined space requirements. Gas meter reading: | ly |
| 2.2 | If reading was >10% LEL, equipment was vented and purged, and an atomized water spray was used to knock down vapors. Continuous monitoring was conducted at the outlet port to insure <10% LEL outside the tank at all times. | na |
| 2.2 | All ports, manways, hatches, or inspection points were opened and allowed to air out. | 4 |
| 2.2 | Equipment was inspected and found to be free of visible contamination and no presence of organic constituents. (Skip decontamination and rinsing procedures and go to verification procedures on Section 2.9) | 17 |
| 2.2 | Containment pads provided adequate containment of waste from washing and rinsing. | 4 |
| 2.3 | Scaffolding was erected for equipment systems higher than 6 feet without fixed elevated work surfaces. | nA |
| 2.3 | Spray barriers or protective sheeting were installed (if there is a possibility of overspray beyond the containment area). | Ļ |
| 2.3 | Washing equipment and supplies, water sources, and washwater collection points were available. | 4 |
| 2.3 | Ingress and egress were limited to a single retaining wall, stair well or ladder. | U |
| 2.3 | Emergency equipment and PPE decontamination stations were in place. | T'Y |
| 2.3 | Tank, vessel or process equipment drain lines/valves were connected to a | |
| | temporary storage tank to hold the spent washwater. | t |
| 2.4 | Accumulated debris or sludge found in the bottom of a tank or process vessel was collected and placed into DOT containers or totes for waste determination and proper disposal. | l. |
| 2.5 | If needed, flushing of irregular internal surfaces was performed with washwater or a sodium hydroxide solution. Solution used: | 11.4 |
| 2.6 | Pre-soaking was performed with washwater. | NA NA |
| 2.7 | Exterior surfaces were pressure washed. | V |
| 2.7 | Interior surfaces were pressure washed. Irregular internal chambers and voids are pressure were pressure washed using a mole or wide angle rotor washing attachment. | ψ. |
| 2.8 | Exterior surfaces were rinsed twice. | 4 |
| 2.8 | Interior surfaces were rinsed twice. | le* |
| 2.8 | Spent rinseate was transferred to a temporary storage tank. | Y |
| 2.9 | Verification of successful decontamination was conducted in accordance with Section 6 (see Form Appendix B1). | • |
| 2.10 | Should general pressure washing of tank surfaces require more vigorous decontamination, the following course of action was taken using hydroblasting of selected surfaces to remove rust, scale, or stubborn build up of contamination | (W) |
| 2.10 | Spent hydroblasting rinse water was allowed to drain into secondary containment and was collected immediately and continuously, and pumped to the temporary holding tank located in Tank Farm D. | nt |

| 2.10 | Plastic or cloth barriers were erected to prevent overspray or ejection of particles beyond the control zone, if necessary. | 0.4 |
|------|---|-----|
| 2.10 | Conducted hydroblasting in accordance with the safety and operational policies found in the Clean Harbors hydroblasting safety and procedure guidelines. | |
| 2.10 | All manways on tank opened prior to commencement of high pressure spraying. | |
| 2.10 | Tank surfaces were checked visually every few minutes to monitor progress and determine results. | |
| 2.10 | Hydroblasted surfaces were allowed to dry. | |
| 2.10 | Verification of successful decontamination was conducted in accordance with Section 6 (see Form Appendix B1). | |
| 2.10 | Any remaining loose scale or material in pitted surfaces was/were manually removed using wire brushes or hand grinders. | |
| 2.10 | Solids were collected from the containment pad sump and from the first stage of the filter system and containerized for characterization and determination for proper disposal. | V |

INSTRUCTIONS:

Equipment IDs are found in SOP Appendix A (Inventory of Units and Equipment). Note any comments on the back of this form and reference the SOP Section #.

| EQUIPMENT ID: | | | | | |
|---|---|--|--|--|--|
| SOP SECT. # | COMMENTS | | | | |
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| I have completed this form based on my actions or Based on my personal observations and/or inquiry of | | | | | |
| observations, and attest that the information noted is true and accurate. | Based on my personal observations and/or inquiry of responsible individuals, I attest that this form was properly and accurately completed. | | | | |
| Lead Technician Signature | Project Superintendent Signature | | | | |
| | MIKE GIRSON | | | | |
| Lead Technician Printed Name | Project Superintendent Printed Name 3/4/24 Date | | | | |
| Date | Date | | | | |

| Equipment Information | | | | | | |
|--|---------------|--------------|--------------------------------------|-----------|------|--------------------------------------|
| HWMU/SWMU: | TANK P. | AZM 6 | Equip | oment ID: | | 7121 |
| Tank | ☐ Carbo | on Steel | Stainl | ess Steel | | HDPE Other: |
| Process Equipment | | | | | | HDPE Other: |
| | | | | | | |
| Exterior Location #: | 1 /idontiful: | 1 | | EXTERIOR | | |
| | 1 (identify). | | TOP | CE111 | 22 | |
| Observations: | | | | | | |
| Surface contamina | |) No | Staining: | ☐ Yes 【☐ | ľNo | Residues in cracks, pits: 🗖 Yes 💆 No |
| Exterior Location #2 | 2 (identify): | L | vest | 1771 | ١١١١ | 4.5 |
| Observations: | | | | | | |
| Surface contamina | ition: 🖵 Yes | DKNo | Staining: | ☐ Yes 🏻 | No | Residues in cracks, pits: Yes No |
| Exterior Location #3 | 3 (identify): | | BOTTE | M e | (9) | Til |
| Observations: | | | | | di | ASTER STA LIFTHE |
| Surface contamina | ition: 🖵 Yes | ⊅ ′No | Staining: | 🗆 Yes 💆 | No | Residues in cracks, pits: 🗖 Yes 🗘 No |
| Remaining Exterior | Surfaces | | ALL | | | |
| Observations: | | | | | j | ALACE AMIT CHAPMIT |
| Surface contamination: Yes Mo Staining: Yes No Residues in cracks, pits: Yes No | | | | | | |
| | | | | | | |
| | | | TANK I | NTERIOR | | |
| Interior Location #1 | (identify): | | | ے حر | Erl | ME 6811732 |
| Observations: | | | | | | |
| Surface contamina | tion: 🗖 Yes 🖠 | V No | Staining: | ☐ Yes 💆 | No | Residues in cracks, pits: Yes KNo |
| Interior Location #2 | (identify): | | | 10077 | 1 / | 11. DDC 2 |
| Observations: | | | | | - | |
| Surface contamination: Yes No Staining: Yes No Residues in cracks, pits: Yes No | | | Residues in cracks, pits: 🗖 Yes 💆 No | | | |
| Interior Location #3 | (identify): | | | | | CENTER |
| Observations: | | ,,, | | | | |
| Surface contamination: Yes | | ∑V/No | Staining: | ☐ Yes 🗖 | No | Residues in cracks, pits: Yes 🗡 No |
| Remaining Interior Surfaces | | | tre | ; ; | | |
| Observations: | | | | | | |
| Surface contaminat | tion: 🗖 Yes 🕻 | No | Staining: | ☐ Yes 💯 | No | Residues in cracks, pits: Yes Yo |

| Equipment Information | | | | | |
|--|--|--|--|--|--|
| nmont ID. | | | | | |
| pment ID: T721 | | | | | |
| | | | | | |
| on Comments | | | | | |
| | | | | | |
| | | | | | |
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| | | | | | |
| idance. Attach tank sketch if appropriate. | | | | | |
| tion Results | | | | | |
| ☐ Fail | | | | | |
| ion; that is, each surface, when viewed without magnification, is cept that residual staining from soil and waste consisting of light I waste in cracks, crevices, and pits may be present provided that shall be limited to no more than 5% of each square inch of surface | | | | | |
| t to decide whether to repeat decontamination | | | | | |
| Dispose as hazardous waste? ☐ Yes ☐ No | | | | | |
| | | | | | |
| | | | | | |
| Project Manager Certification | | | | | |
| I certify that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the persons who manage the system and/or are directly responsible for gathering the information, the information is, to the best of my knowledge and belief, true, accurate, and complete. | | | | | |
| Matthew Dunce | | | | | |
| Project Manager Printed Name | | | | | |
| Mil | | | | | |
| Project Manager Signature | | | | | |
| 3/9/09 | | | | | |
| | | | | | |

| EQUIPMENT ID: | 7722 | DATE: _ | 2-11-09 |
|---------------|---------|---------|---------|
| HWMU/SWMU ID: | TANK FA | M C | |

| SOP SECT.# | SOP STEP | COMPLETED (Y - N - N/A) |
|---------------|--|----------------------------|
| 2.1 | If decontamination was not conducted "in-place", equipment was inspected, drained of any free liquids, and moved to a bermed containment area before decontamination. | nA |
| 2.2 | Equipment was inspected for vapors and checked for confined space requirements. Gas meter reading: | Ly. |
| 2.2 | If reading was >10% LEL, equipment was vented and purged, and an atomized water spray was used to knock down vapors. Continuous monitoring was conducted at the outlet port to insure <10% LEL outside the tank at all times. | 4 |
| 2.2 | All ports, manways, hatches, or inspection points were opened and allowed to air out. | nA |
| 2.2 | Equipment was inspected and found to be free of visible contamination and no presence of organic constituents. (Skip decontamination and rinsing procedures and go to verification procedures on Section 2.9) | 4 |
| 2.2 | Containment pads provided adequate containment of waste from washing and rinsing. | <i>i</i> 1 |
| 2.3 | Scaffolding was erected for equipment systems higher than 6 feet without fixed elevated work surfaces. | 7 |
| 2.3 | Spray barriers or protective sheeting were installed (if there is a possibility of overspray beyond the containment area). | n4 |
| 2.3 | Washing equipment and supplies, water sources, and washwater collection points were available. | 4 |
| 2.3 | Ingress and egress were limited to a single retaining wall, stair well or ladder. | 4 |
| 2.3 | Emergency equipment and PPE decontamination stations were in place. | Ļ, |
| 2.3 | Tank, vessel or process equipment drain lines/valves were connected to a temporary storage tank to hold the spent washwater. | ٠ |
| 2.4 | Accumulated debris or sludge found in the bottom of a tank or process vessel was | |
| 2.4 | collected and placed into DOT containers or totes for waste determination and proper disposal. | 7 |
| 2.5 | If needed, flushing of irregular internal surfaces was performed with washwater or a sodium hydroxide solution. Solution used: | 114 |
| 2.6 | Pre-soaking was performed with washwater. | 114 |
| 2.7 | Exterior surfaces were pressure washed. | |
| 2.7 | Interior surfaces were pressure washed. Irregular internal chambers and voids are pressure were pressure washed using a mole or wide angle rotor washing attachment. | + |
| 2.8 | Exterior surfaces were rinsed twice. | 7 |
| 2.8 | Interior surfaces were rinsed twice. | y' |
| 2.8 | Spent rinseate was transferred to a temporary storage tank. | 4 |
| 2.9 | Verification of successful decontamination was conducted in accordance with Section 6 (see Form Appendix B1). | Ť |
| 2.10 | Should general pressure washing of tank surfaces require more vigorous decontamination, the following course of action was taken using hydroblasting of selected surfaces to remove rust, scale, or stubborn build up of contamination | NA |
| 2.10 | Spent hydroblasting rinse water was allowed to drain into secondary containment and was collected immediately and continuously, and pumped to the temporary holding tank located in Tank Farm D. | n4 |

| 2.10 | Plastic or cloth barriers were erected to prevent overspray or ejection of particles beyond the control zone, if necessary. | 11Å |
|------|---|-----|
| 2.10 | Conducted hydroblasting in accordance with the safety and operational policies found in the Clean Harbors hydroblasting safety and procedure guidelines. | |
| 2.10 | All manways on tank opened prior to commencement of high pressure spraying. | |
| 2.10 | Tank surfaces were checked visually every few minutes to monitor progress and determine results. | |
| 2.10 | Hydroblasted surfaces were allowed to dry. | |
| 2.10 | Verification of successful decontamination was conducted in accordance with Section 6 (see Form Appendix B1). | |
| 2.10 | Any remaining loose scale or material in pitted surfaces was/were manually removed using wire brushes or hand grinders. | |
| 2.10 | Solids were collected from the containment pad sump and from the first stage of the filter system and containerized for characterization and determination for proper disposal. | V |

INSTRUCTIONS:

Equipment IDs are found in SOP Appendix A (Inventory of Units and Equipment). Note any comments on the back of this form and reference the SOP Section #.

| EQUIPMENT ID: 7/22 | DATE: 2-11-09 |
|---|---|
| HWMU/SWMU ID: FANK FREM C | |
| | |
| SOP SECT. # | COMMENTS |
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| I have completed this form based on my actions or observations, and attest that the information noted is true and accurate. | Based on my personal observations and/or inquiry of responsible individuals, I attest that this form was properly and accurately completed. |
| | Mikedon |
| Lead Technician Signature | Project Superintendent Signature |
| | MIKE GARSON |
| Lead Technician Printed Name | Project Superintendent Printed Name |
| 3/2/09 | 3/4/09 |
| Data | 5. |

| Equipment Information | | | | |
|---|---|----------------------|----------------|------------------------------------|
| HWMU/SWMU: | TANK | Menc Eq | uipment ID: | 7722 |
| Tank | *************************************** | on Steel 🔽 Sta | inless Steel | HDPE Other: |
| Process Equipmer | nt 🔲 Carbo | on Steel 🔲 Sta | inless Steel 🚨 | HDPE Other: |
| | | T.A.A. | V EVTERIOR | |
| Exterior Location | #1 (identify): | I | K EXTERIOR | |
| Observations: | | | 0,0 02.11. | 2 R |
| Observations: | | | | |
| Surface contamir | nation: 🖵 Yes | ☑ No Stainin | g: 🛘 Yes 💆 No | Residues in cracks, pits: Yes No |
| Exterior Location | #2 (identify): | MIDD | 4 (91179 | TR (WESTSIDE) |
| Observations: | | | | Some Print cum int |
| Surface contamir | nation: 🖵 Yes | No Stainin | g: 🛘 Yes 🎜 No | Residues in cracks, pits: Yes MNo |
| Exterior Location # | #3 (identify): | | IDDLE DE | onn |
| Observations: | | | ŽI. | STECTED ATTO PERMINEL |
| Surface contamir | nation: 🔲 Yes | J YNo Stainin | g: 🔲 Yes 💆 No | Residues in cracks, pits: Yes No |
| Remaining Exterio | r Surfaces | Azi | | |
| Observations: | | | | |
| | | | | |
| Surface contamination: 🗖 Yes 💆 No Staining: 🗖 Yes 💆 No Residues in cracks, pits: 🗖 Yes 💢 No | | | | |
| | | | | |
| | | | K INTERIOR | |
| Interior Location # | 1 (identify): | Tor | CEWIT. | O CHITER |
| Observations: | | | | |
| | | | | |
| Surface contamin | ation: 🗖 Yes | No Staining | : 🛘 Yes 💆 No | Residues in cracks, pits: Yes Yo |
| Interior Location #2 (identify): SOUTH IMIDDLE | | | | |
| Observations: | | | | |
| | | | | |
| Surface contamin | | | | Residues in cracks, pits: Yes Yo |
| Interior Location # | 3 (identify): | Ben | ne cen | 1742 |
| Observations: | | | | |
| Surface contamination: 🗆 Yes 🔰 No Staining: 🗅 Yes 🔰 No Residues in cracks, pits: 🗅 Yes 💆 N | | | | |
| Remaining Interior Surfaces ALC | | | | |
| Observations: | | | | |
| Surface contamin | ation: 🗖 Yes | No Staining | : 🗆 Yes 🗘 No | Residues in cracks, pits: Yes No |

| | Equipment Information | | | | |
|---|--|---|---|--|--|
| HWMU/SWMU: | | ipment ID: | | | |
| | 1771V. PRZINC Equi | princincio. | 7722 | | |
| | Verificat | ion Comment | | | |
| | Verificati | on comment | 13 | | |
| | LIF | 790) BC | TRIN R MSpec | | |
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| | | | | | |
| NOTES See Romic Southwes | t Closure SOP Section 6 for gu | idance. Attac | ch tank sketch if appropriate. | | |
| | Verifica | tion Results | | | |
| | Pass | | Fail | | |
| "Pass" indicates that each surface has passed visual inspection; that is, each surface, when viewed without magnification, is free of all visible contaminated soil and hazardous waste except that residual staining from soil and waste consisting of light shadows, slight streaks, or minor discolorations, and soil and waste in cracks, crevices, and pits may be present provided that such staining and waste and soil in cracks, crevices, and pits shall be limited to no more than 5% of each square inch of surface area. [ref 40 CFR 268.45 Table 1] | | | | | |
| | | | hether to repeat decontamination | | |
| | Repeat Decontamination? Yes No Dispose as hazardous waste? Yes No Project Superintendent Comments: | | | | |
| Project Superi | intendent Certification | | Project Manager Certification | | |
| Project Superintendent Certification I certify that this document and all attachments were prepared under my direction or supervision. Based on my inquiry of those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. | | my direction assure that of information s manage the s information, | this document and all attachments were prepared under or supervision in accordance with a system designed to qualified personnel properly gather and evaluate the submitted. Based on my inquiry of the persons who system and/or are directly responsible for gathering the the information is, to the best of my knowledge and ccurate, and complete. | | |
| MIL | E GIPSON | | Matthew Denne | | |
| Project Superintendent Printed Name | | | Project Manager Printed Name | | |
| m. k. I. m | | | Mil A | | |
| Project Sup | perintendent Signature | | Project Manager Signature | | |
| 3/ | 4/09 | | 3/9/09 | | |
| | Ďate | | Date | | |

| EQUIPMENT ID: 123 | DATE: _ | 2-11-09 |
|-------------------------|---------|---------|
| HWMU/SWMU ID: TANK FARM | | |

| SOP SECT.# | SOP STEP | COMPLETED (Y - N - N/A) |
|---------------|--|----------------------------|
| 2.1 | If decontamination was not conducted "in-place", equipment was inspected, drained of any free liquids, and moved to a bermed containment area before decontamination. | 114 |
| 2.2 | Equipment was inspected for vapors and checked for confined space requirements. Gas meter reading: () | ÿ |
| 2.2 | If reading was >10% LEL, equipment was vented and purged, and an atomized water spray was used to knock down vapors. Continuous monitoring was conducted at the outlet port to insure <10% LEL outside the tank at all times. | 4 |
| 2.2 | All ports, manways, hatches, or inspection points were opened and allowed to air out. | NA |
| 2.2 | Equipment was inspected and found to be free of visible contamination and no presence of organic constituents. (Skip decontamination and rinsing procedures and go to verification procedures on Section 2.9) | 4 |
| 2.2 | Containment pads provided adequate containment of waste from washing and rinsing. | 21 |
| 2.3 | Scaffolding was erected for equipment systems higher than 6 feet without fixed elevated work surfaces. | 4 |
| 2.3 | Spray barriers or protective sheeting were installed (if there is a possibility of overspray beyond the containment area). | NA. |
| 2.3 | Washing equipment and supplies, water sources, and washwater collection points were available. | Ĺ |
| 2.3 | Ingress and egress were limited to a single retaining wall, stair well or ladder. | Ý |
| 2.3 | Emergency equipment and PPE decontamination stations were in place. | 4 |
| 2.3 | Tank, vessel or process equipment drain lines/valves were connected to a temporary storage tank to hold the spent washwater. | 4 |
| 2.4 | Accumulated debris or sludge found in the bottom of a tank or process vessel was collected and placed into DOT containers or totes for waste determination and proper disposal. | <u>.</u> |
| 2.5 | If needed, flushing of irregular internal surfaces was performed with washwater or a sodium hydroxide solution. Solution used: | 114 |
| 2.6 | Pre-soaking was performed with washwater. | 11.4 |
| 2.7 | Exterior surfaces were pressure washed. | · · |
| 2.7 | Interior surfaces were pressure washed. Irregular internal chambers and voids are pressure were pressure washed using a mole or wide angle rotor washing | i i |
| 20 | attachment. | Ţ. |
| 2.8 | Exterior surfaces were rinsed twice. | <u> </u> |
| 2.8 | Interior surfaces were rinsed twice. Spent rinseate was transferred to a temporary storage tank. | <u> </u> |
| 2.9 | Verification of successful decontamination was conducted in accordance with Section 6 (see Form Appendix B1). | 4. |
| 2.10 | Should general pressure washing of tank surfaces require more vigorous decontamination, the following course of action was taken using hydroblasting of selected surfaces to remove rust, scale, or stubborn build up of contamination | nA |
| 2.10 | Spent hydroblasting rinse water was allowed to drain into secondary containment and was collected immediately and continuously, and pumped to the temporary holding tank located in Tank Farm D. | nA |

| 2.10 | Plastic or cloth barriers were erected to prevent overspray or ejection of particles beyond the control zone, if necessary. | ทล์ |
|------|---|-----|
| 2.10 | Conducted hydroblasting in accordance with the safety and operational policies found in the Clean Harbors hydroblasting safety and procedure guidelines. | |
| 2.10 | All manways on tank opened prior to commencement of high pressure spraying. | |
| 2.10 | Tank surfaces were checked visually every few minutes to monitor progress and determine results. | |
| 2.10 | Hydroblasted surfaces were allowed to dry. | |
| 2.10 | Verification of successful decontamination was conducted in accordance with Section 6 (see Form Appendix B1). | |
| 2.10 | Any remaining loose scale or material in pitted surfaces was/were manually removed using wire brushes or hand grinders. | |
| 2.10 | Solids were collected from the containment pad sump and from the first stage of the filter system and containerized for characterization and determination for proper disposal. | |

INSTRUCTIONS:

Equipment IDs are found in SOP Appendix A (Inventory of Units and Equipment). Note any comments on the back of this form and reference the SOP Section #.

| EQUIPMENT ID: | DATE: <u>9-/l-89</u> |
|---|---|
| HWMU/SWMU ID: JANK PARA C- | |
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| SOP SECT. # | COMMENTS |
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| I have completed this form based on my actions or observations, and attest that the information noted is true and accurate. | Based on my personal observations and/or inquiry of responsible individuals, I attest that this form was properly and accurately completed/ |
| | Project Superintendent Signature |
| Lead Technician Signature | Project Superintendent Signature |
| | MIKE GARSON |
| Lead Technician Printed Name | Project Superintendent Printed Name |
| 3/2/09 | 3/4/09 |
| Doto | |

| Equipment Information | | | | |
|--------------------------|-----------------|---------------------|---|--|
| HWMU/SWMU: | TANK FARIN | Equipment ID: | 77.23 | |
| Tank | ☐ Carbon Stee | Stainless Steel | | |
| Process Equipment | | Stainless Steel | | |
| | | | | |
| | | TANK EXTERIOR | | |
| Exterior Location #1 (| identify): | TOP CEI | 177 R. | |
| Observations: | | | | |
| Surface contaminati | on: 🗖 Yes 🛱 No | Staining: 🗆 Yes 🗘 N | lo Residues in cracks, pits: 🗖 Yes 💆 No | |
| Exterior Location #2 (| identify): | West mid | DC E. | |
| Observations: | | | | |
| Surface contamination | on: 🗖 Yes 🞾 No | Staining: 🗖 Yes 🙀 N | lo Residues in cracks, pits: 🗖 Yes 💆 No | |
| Exterior Location #3 (| identify): 📝 | COTTUST CENT | Residues in cracks, pits: Yes No | |
| Observations: | , | • | LIBREGIO MITER | |
| Surface contamination | on: 🚨 Yes 🞾 No | Staining: 🗖 Yes 🛱 N | o Residues in cracks, pits: Yes No | |
| Remaining Exterior Su | ırfaces | ALL | / | |
| Observations: | | | | |
| Surface contamination | on: ☐ Yes ြΩ∕Ño | Staining: 🗖 Yes 🗘 N | o Residues in cracks, pits: ☐ Yes ☒ No | |
| | | , | | |
| | | TANK INTERIOR | | |
| Interior Location #1 (i | dentify): | 70P (811) | TER CECLUST | |
| Observations: | | | | |
| Surface contamination | on: 🗖 Yes 🎾 No | Staining: 🗖 Yes 💆 N | o Residues in cracks, pits: 🗖 Yes 💆 No | |
| Interior Location #2 (id | dentify): | MORTH MIDE |)65 | |
| Observations: | | | | |
| Surface contamination | on: ☐ Yes ☐¥No | Staining: 🗖 Yes 🖫 N | o Residues in cracks, pits: Yes You | |
| Interior Location #3 (id | dentify): | Bom m. | DDLE- | |
| Observations: | | | | |
| Surface contamination | on: 🗖 Yes 🗗 No | Staining: 🗖 Yes 🛱 N | o Residues in cracks, pits: 🗖 Yes 🗡 No | |
| Remaining Interior Sur | faces | ALL | | |
| Observations: | | , | | |
| Surface contamination | n: ☐ Yes ☐⁄ No | Staining: 🗖 Yes 🕅 N | o Residues in cracks, pits: 🗖 Yes 💆 No | |

| | Fauinme | ent Informatio | | | |
|---|----------------------------------|--|---|--|--|
| HWMU/SWMU: | | ipment ID: | | | |
| , . | JANK FARME Equ | mprinent i.e. | T123 | | |
| | Verifica | tion Comment | | | |
| | Tenjiou | .ion comment. | | | |
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| NOTES See Romic Southwest | Closure SOP Section 6 for g | uidance. Attac | h tank sketch if appropriate. | | |
| | Verific | ation Results | | | |
| | A Pass | | Fail | | |
| "Pass" indicates that each surface has passed visual inspection; that is, each surface, when viewed without magnification, is free of all visible contaminated soil and hazardous waste except that residual staining from soil and waste consisting of light shadows, slight streaks, or minor discolorations, and soil and waste in cracks, crevices, and pits may be present provided that such staining and waste and soil in cracks, crevices, and pits shall be limited to no more than 5% of each square inch of surface area. [ref 40 CFR 268.45 Table 1] | | | | | |
| | | nt to decide wh | ether to repeat decontamination | | |
| Repeat Decontaminat | | | e as hazardous waste? Yes No | | |
| Project Superintender | Project Superintendent Comments: | | | | |
| | | ****** | | | |
| | ntendent Certification | | Project Manager Certification | | |
| I certify that this document and all attachments were prepared under my direction or supervision. Based on my inquiry of those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. | | my direction of assure that question information summanage the symptomation, t | nis document and all attachments were prepared under or supervision in accordance with a system designed to ualified personnel properly gather and evaluate the ubmitted. Based on my inquiry of the persons who ystem and/or are directly responsible for gathering the he information is, to the best of my knowledge and curate, and complete. | | |
| MILLE GIPSON | | | matthan Juna | | |
| Project Superintendent Printed Name Muli Lungar | | | Project Manager Printed Name | | |
| Project Supe | erintender Signature | | Project Manager Signature | | |
| 3/4 | / C C/ Date | | 5/9/04/ Date | | |

| EQUIPMENT ID: | 1124 | | DATE: _ | 2-11-09 |
|---------------|------|---------|---------|---------|
| HWMU/SWMU ID: | TANK | FARM C- | | |

| SOP SECT.# | SOP STEP | COMPLETED (Y - N - N/A) |
|---------------|--|----------------------------|
| 2.1 | If decontamination was not conducted "in-place", equipment was inspected, drained of any free liquids, and moved to a bermed containment area before decontamination. | na |
| 2.2 | Equipment was inspected for vapors and checked for confined space requirements. Gas meter reading: | V. |
| 2.2 | If reading was >10% LEL, equipment was vented and purged, and an atomized water spray was used to knock down vapors. Continuous monitoring was conducted at the outlet port to insure <10% LEL outside the tank at all times. | 4 |
| 2.2 | All ports, manways, hatches, or inspection points were opened and allowed to air out. | 61A |
| 2.2 | Equipment was inspected and found to be free of visible contamination and no presence of organic constituents. (Skip decontamination and rinsing procedures and go to verification procedures on Section 2.9) | i, |
| 2.2 | Containment pads provided adequate containment of waste from washing and rinsing. | 1 |
| 2.3 | Scaffolding was erected for equipment systems higher than 6 feet without fixed elevated work surfaces. | 4 |
| 2.3 | Spray barriers or protective sheeting were installed (if there is a possibility of overspray beyond the containment area). | nA |
| 2.3 | Washing equipment and supplies, water sources, and washwater collection points were available. | 1 |
| 2.3 | Ingress and egress were limited to a single retaining wall, stair well or ladder. | 4 |
| 2.3 | Emergency equipment and PPE decontamination stations were in place. | · · |
| 2.3 | Tank, vessel or process equipment drain lines/valves were connected to a | |
| | temporary storage tank to hold the spent washwater. | 7 |
| 2.4 | Accumulated debris or sludge found in the bottom of a tank or process vessel was collected and placed into DOT containers or totes for waste determination and proper disposal. | |
| 2.5 | If needed, flushing of irregular internal surfaces was performed with washwater or a sodium hydroxide solution. Solution used: | 11.4 |
| 2.6 | Pre-soaking was performed with washwater. | NA |
| 2.7 | Exterior surfaces were pressure washed. | 4 |
| 2.7 | Interior surfaces were pressure washed. Irregular internal chambers and voids are pressure were pressure washed using a mole or wide angle rotor washing attachment. | L. |
| 2.8 | Exterior surfaces were rinsed twice. | Ÿ |
| 2.8 | Interior surfaces were rinsed twice. | 4 |
| 2.8 | Spent rinseate was transferred to a temporary storage tank. | Ý |
| 2.9 | Verification of successful decontamination was conducted in accordance with Section 6 (see Form Appendix B1). | j |
| 2.10 | Should general pressure washing of tank surfaces require more vigorous decontamination, the following course of action was taken using hydroblasting of selected surfaces to remove rust, scale, or stubborn build up of contamination | nA |
| 2.10 | Spent hydroblasting rinse water was allowed to drain into secondary containment and was collected immediately and continuously, and pumped to the temporary holding tank located in Tank Farm D. | NA |

| 2.10 | Plastic or cloth barriers were erected to prevent overspray or ejection of particles beyond the control zone, if necessary. | 124 |
|------|---|-----|
| 2.10 | Conducted hydroblasting in accordance with the safety and operational policies found in the Clean Harbors hydroblasting safety and procedure guidelines. | ĵ |
| 2.10 | All manways on tank opened prior to commencement of high pressure spraying. | |
| 2.10 | Tank surfaces were checked visually every few minutes to monitor progress and determine results. | |
| 2.10 | Hydroblasted surfaces were allowed to dry. | |
| 2.10 | Verification of successful decontamination was conducted in accordance with Section 6 (see Form Appendix B1). | |
| 2.10 | Any remaining loose scale or material in pitted surfaces was/were manually removed using wire brushes or hand grinders. | |
| 2.10 | Solids were collected from the containment pad sump and from the first stage of the filter system and containerized for characterization and determination for proper disposal. | d |

INSTRUCTIONS:

Equipment IDs are found in SOP Appendix A (Inventory of Units and Equipment). Note any comments on the back of this form and reference the SOP Section #.

| EQUIPMENT ID: | DATE: |
|---|---|
| SOP SECT. # | COMMENTS |
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| | |
| I have completed this form based on my actions or | Based on my personal observations and/or inquiry of |
| observations, and attest that the information noted is true and accurate. | responsible individuals, I attest that this form was properly and accurately completed. |
| | milesty |
| Lead Technician Signature | Project Superintendent Signature |
| Lead Technician Printed Name | MIVEL GOTSON Project Superintendent Printed Name |
| 3/2/09 Date | 3/4/09 Date |
| Date | Date |

| Equipment Information | | | | |
|---|---------------------------------------|----------------------------|--------------------------------------|--|
| HWMU/SWMU: | TANK FARIN | C Equipment ID: | 7124 | |
| Tank | ☐ Carbon Steel | Stainless Steel | IDPE Other: | |
| Process Equipment | ☐ Carbon Steel | ☐ Stainless Steel ☐ F | IDPE Other: | |
| | | TANK EXTERIOR | | |
| Exterior Location #1 (i | identify): | | | |
| Observations: | 70 | P 680792 | | |
| Observations. | | | | |
| Surface contamination | on: 🛘 Yes 📮 No | Staining: Yes YNo | Residues in cracks, pits: 🗖 Yes 💆 No | |
| Exterior Location #2 (i | dentify): | CRTH MIDIO | , | |
| Observations: | | Chefra 11.010 | 7 | |
| | | | | |
| Surface contamination | | Staining: Tyes William Yes | | |
| Exterior Location #3 (i | dentify): | BOTTEN CENTE | <u></u> | |
| Observations: | | JASPECTED | AFTER LITTING- | |
| Surface contamination | on: 🗖 Yes 🗖 No | Staining: 🗖 Yes 🗖 No | Residues in cracks, pits: 🗖 Yes 🔽 No | |
| Remaining Exterior Su | rfaces | ALC | , | |
| Observations: | | | | |
| | | | | |
| Surface contamination: 🗆 Yes 🛂 No Staining: 🗀 Yes 🛂 No Residues in cracks, pits: 🗀 Yes 💆 No | | | | |
| | | | | |
| | | TANK INTERIOR | | |
| Interior Location #1 (id | Jentify): | TOP CRITTER | CEILING | |
| Observations: | | | | |
| | | <u> </u> | | |
| Surface contaminatio | | Staining: Yes No | Residues in cracks, pits: 🗖 Yes 💆 No | |
| Interior Location #2 (id | lentify): | EXST MIDD | CE | |
| Observations: | | | | |
| | · · · · · · · · · · · · · · · · · · · | | | |
| Surface contaminatio | | Staining: Yes No | Residues in cracks, pits: 🗖 Yes 💆 No | |
| Interior Location #3 (id | lentify): | BUTTON GENTE | R | |
| Observations: | | | | |
| Surface contaminatio | n: 🗖 Yes 🗘 No | Staining: Yes No | Residues in cracks, pits: ☐ Yes ☑ No | |
| Remaining Interior Sur | | ALL | | |
| Observations: | | er den en e | | |
| Surface contaminatio | n: 🗆 Yes 💢 No | Staining: Yes No | Residues in cracks, pits: 🛘 Yes 🌶 No | |

| Fauinn | nent Information | |
|---|--|--|
| 10448411/614941 | wipmont ID: | |
| Willy Danie | The state of the s | |
| Verific | ation Comments | |
| 33.9.0 | audi Comments | |
| | | |
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| NOTES See Romic Southwest Closure SOP Section 6 for | guidance. Attach tank sketch if appropriate. | |
| Verifi | cation Results | |
| 🗵 Pass | ☐ Fail | |
| "Pass" indicates that each surface has passed visual inspection; that is, each surface, when viewed without magnification, free of all visible contaminated soil and hazardous waste except that residual staining from soil and waste consisting of lig shadows, slight streaks, or minor discolorations, and soil and waste in cracks, crevices, and pits may be present provided the such staining and waste and soil in cracks, crevices, and pits shall be limited to no more than 5% of each square inch of surfacea. [ref 40 CFR 268.45 Table 1] | | |
| | ent to decide whether to repeat decontamination | |
| Repeat Decontamination? Yes No | Dispose as hazardous waste? Yes No | |
| Project Superintendent Comments: | | |
| | | |
| Project Superintendent Certification | Project Manager Certification | |
| I certify that this document and all attachments were prepared ur my direction or supervision. Based on my inquiry of those pers directly responsible for gathering the information, the informa submitted is, to the best of my knowledge and belief, true, accur and complete. | ons my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the | |
| MIKE GIPSON | Matthew Dunn | |
| Project Superintendent Printed Name | Project Manager Printed Name | |
| Make Line | Mile I | |
| Project Superinterdent Signature | Project Manager Signature | |
| 3/4/09 | 3/9/09 | |
| Date | Date | |

| EQUIPMENT ID: _ | 7132 | | DATE: | 3/2/09 |
|-----------------|-----------|---|-------|--------|
| HWMU/SWMU ID: | TANK FREM | フ | | |

| SOP SECT.# | SOP STEP | COMPLETED (Y N N/A) |
|---------------|--|------------------------|
| 2.1 | If decontamination was not conducted "in-place", equipment was inspected, drained of any free liquids, and moved to a bermed containment area before decontamination. | NA |
| 2.2 | Equipment was inspected for vapors and checked for confined space requirements. Gas meter reading: | 4 |
| 2.2 | If reading was >10% LEL, equipment was vented and purged, and an atomized water spray was used to knock down vapors. Continuous monitoring was conducted at the outlet port to insure <10% LEL outside the tank at all times. | nA |
| 2.2 | All ports, manways, hatches, or inspection points were opened and allowed to air out. | 4 |
| 2.2 | Equipment was inspected and found to be free of visible contamination and no presence of organic constituents. (Skip decontamination and rinsing procedures and go to verification procedures on Section 2.9) | И |
| 2.2 | Containment pads provided adequate containment of waste from washing and rinsing. | 4 |
| 2.3 | Scaffolding was erected for equipment systems higher than 6 feet without fixed elevated work surfaces. | 4 |
| 2.3 | Spray barriers or protective sheeting were installed (if there is a possibility of overspray beyond the containment area). | i |
| 2.3 | Washing equipment and supplies, water sources, and washwater collection points were available. | i |
| 2.3 | Ingress and egress were limited to a single retaining wall, stair well or ladder. | 1 |
| 2.3 | Emergency equipment and PPE decontamination stations were in place. | + |
| 2.3 | Tank, vessel or process equipment drain lines/valves were connected to a | - |
| 2.0 | temporary storage tank to hold the spent washwater. | 14 |
| 2.4 | Accumulated debris or sludge found in the bottom of a tank or process vessel was | |
| | collected and placed into DOT containers or totes for waste determination and proper disposal. | 4 |
| 2.5 | If needed, flushing of irregular internal surfaces was performed with washwater or a sodium hydroxide solution. Solution used: | na |
| 2.6 | Pre-soaking was performed with washwater. | 4 |
| 2.7 | Exterior surfaces were pressure washed. | Ÿ |
| 2.7 | Interior surfaces were pressure washed. Irregular internal chambers and voids are pressure were pressure washed using a mole or wide angle rotor washing attachment. | Y |
| 2.8 | Exterior surfaces were rinsed twice. | 4 |
| 2.8 | Interior surfaces were rinsed twice. | 4 |
| 2.8 | Spent rinseate was transferred to a temporary storage tank. | 4 |
| 2.9 | Verification of successful decontamination was conducted in accordance with Section 6 (see Form Appendix B1). | T |
| 2.10 | Should general pressure washing of tank surfaces require more vigorous decontamination, the following course of action was taken using hydroblasting of selected surfaces to remove rust, scale, or stubborn build up of contamination | M |
| 2.10 | Spent hydroblasting rinse water was allowed to drain into secondary containment and was collected immediately and continuously, and pumped to the temporary holding tank located in Tank Farm D. | M |

| 2.10 | Plastic or cloth barriers were erected to prevent overspray or ejection of particles beyond the control zone, if necessary. | M |
|------|---|---|
| 2.10 | Conducted hydroblasting in accordance with the safety and operational policies found in the Clean Harbors hydroblasting safety and procedure guidelines. | |
| 2.10 | All manways on tank opened prior to commencement of high pressure spraying. | |
| 2.10 | Tank surfaces were checked visually every few minutes to monitor progress and determine results. | |
| 2.10 | Hydroblasted surfaces were allowed to dry. | |
| 2.10 | Verification of successful decontamination was conducted in accordance with Section 6 (see Form Appendix B1). | |
| 2.10 | Any remaining loose scale or material in pitted surfaces was/were manually removed using wire brushes or hand grinders. | |
| 2.10 | Solids were collected from the containment pad sump and from the first stage of the filter system and containerized for characterization and determination for proper disposal. | |

INSTRUCTIONS:

Equipment IDs are found in SOP Appendix A (Inventory of Units and Equipment). Note any comments on the back of this form and reference the SOP Section #.

| EQUIPMENT I | ID: <u></u> | DATE: 3/2/09 |
|-------------|--|---|
| HWMU/SWML | JID: TAMK FARM D | |
| | | - |
| SOP SECT. # | | COMMENTS |
| 2-3 | WASH AND B.V | SOLUTION LIGHT STRAIGHT TO |
| | FILTER SYSTE. | SOLUTION LOUTSTRAIGHT TO |
| | | |
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| | | |
| | this form based on my actions or test that the information noted is true | Based on my personal observations and/or inquiry of responsible individuals, I attest that this form was properly and accurately completed. |
| | | m.k.Show |
| Lead | d Technician Signature | Project Superintendent Signature |
| | | MIKE ERSON |
| Lead 7 | Technician Printed Name | Project Superintendent Printed Name |
| | 3/2/04 | 3/4/04 |
| Date ' | | Date |

| Equipment Information | | | | | |
|-----------------------|---|--|---------------------------|---------|--------------------------------------|
| HWMU/SWMU: | Think | GMars | Equipment | ID: | 77.32 |
| Tank | ☐ Carbo | | Stainless Str | eel 🛂 F | IDPE Other: |
| Process Equipmen | t Carbo | | | | IDPE Other: |
| | | | | | |
| Fire and a serious to | 14 (11 116) | | TANK EXTER | | A. |
| Exterior Location # | /1 (identity): | | 72.3 | 18.0 | TRE |
| Observations: | | | | | |
| Surface contamin | ation: 🖵 Yes 🕽 | No Sta | ining: 🚨 Yes | s DYNo | Residues in cracks, pits: 🗖 Yes 🗖 No |
| Exterior Location # | 2 (identify): | Ĭ | Dest | inis | SILE |
| Observations: | | | Charles on the segment of | * | |
| Surface contamin | ation: 🗖 Yes 🕻 | No Sta | ining: 🔲 Yes | s 💆 No | Residues in cracks, pits: 🗖 Yes 💆 No |
| Exterior Location # | 3 (identify): | | 38000 | | |
| Observations: | | _ | | | |
| Surface contamin | ation: 🗖 Yes 🕻 | No Sta | ining: 🚨 Yes | s Ø No | Residues in cracks, pits: 🗖 Yes 🎽 No |
| Remaining Exterior | r Surfaces | | | | adter an maner. |
| Observations: | | | | 17m.) | PLMAINING EXTERIOR |
| Surface contamin | Surface contamination: 🗆 Yes 🗘 No Staining: 🗅 Yes 💆 No Residues in cracks, pits: 🗅 Yes 📮 No | | | | |
| | | | | | |
| | | Î | TANK INTERI | OR | |
| Interior Location #3 | 1 (identify): | C81. | Line 1 | 1600 | HATCH |
| Observations: | | | | | · |
| Surface contamina | ation: 🚨 Yes 🔏 | No Sta | ining: 🗖 Yes | X No | Residues in cracks, pits: 🗖 Yes 🧖 No |
| Interior Location #2 | 2 (identify): | النبي) | est vn | 11 301 | , 6 |
| Observations: | | | | | · Canada |
| Surface contamina | ation: 🗖 Yes 🖔 | No Stai | ining: 🔲 Yes | √ No No | Residues in cracks, pits: 🗆 Yes 🙇 No |
| Interior Location #3 | 3 (identify): | | TIZNL C | _/ | |
| Observations: | • | The second secon | | 44. | |
| Surface contamina | ation: 🗖 Yes 🛭 | No Stai | ining: 🛚 Yes | Q No | Residues in cracks, pits: 🗖 Yes 🍱 No |
| Remaining Interior | Surfaces | A | 16 | 7 | |
| Observations: | | | | | |
| Surface contamina | ation: 🗖 Yes 💆 | No Stai | ining: 🔲 Yes | ₩ No | Residues in cracks, pits: ☐ Yes ☐ No |

| | Equipa | nent Informatio | na. |
|--|--|--|--|
| HWMU/SWMU: | | quipment ID: | |
| , | TANK FARMD EC | Juipment io. | 132 |
| | Verific | ti Caramani | |
| | Verijic | ation Commen | ts |
| | | | |
| | | | |
| | | | |
| | | | |
| NOTES See Romic Southwest | Closure SOP Section 6 for | guidance. Attac | ch tank sketch if appropriate. |
| | Verifi | ication Results | |
| | Pass | | Fail |
| free of all visible contaming shadows, slight streaks, or | nated soil and hazardous waste minor discolorations, and soil and soil in cracks, crevices, and pi | except that residu and waste in crack | ch surface, when viewed without magnification, is ual staining from soil and waste consisting of light cs, crevices, and pits may be present provided that to no more than 5% of each square inch of surface |
| | | ent to decide w | hether to repeat decontamination |
| Repeat Decontaminat | | | se as hazardous waste? Yes No |
| Project Superintender | nt Comments: | | |
| | | | |
| | ntendent Certification | | Project Manager Certification |
| my direction or supervision. directly responsible for gathe | nd all attachments were prepared ur Based on my inquiry of those persering the information, the information the information the information that is accurately knowledge and belief, true, accurately knowledge and belief. | my direction assure that information manage the information, | this document and all attachments were prepared under or supervision in accordance with a system designed to qualified personnel properly gather and evaluate the submitted. Based on my inquiry of the persons who system and/or are directly responsible for gathering the the information is, to the best of my knowledge and occurate, and complete. |
| | GRESON | | matthew Dunn |
| Project Superi | ntendent Printed Name | | Project Manager Printed Name |
| Mik | Lysson | | MA) |
| Project Supe | erintendent signature | | Project Manager Signature |
| 3- | 1-09 | | 3-9-89 |
| | Date | | D-1- |

| EQUIPMENT ID: | T36 | DATE: 3 (11/04) |
|---------------|-------------|-----------------|
| HWMU/SWMU ID: | MANK FROM D | • |

| SOP SECT.# | SOP STEP | COMPLETED (Y - N - N/A) |
|---------------|--|----------------------------|
| 2.1 | If decontamination was not conducted "in-place", equipment was inspected, drained of any free liquids, and moved to a bermed containment area before decontamination. | 14 |
| 2.2 | Equipment was inspected for vapors and checked for confined space requirements. Gas meter reading: | |
| 2.2 | If reading was >10% LEL, equipment was vented and purged, and an atomized water spray was used to knock down vapors. Continuous monitoring was conducted at the outlet port to insure <10% LEL outside the tank at all times. | |
| 2.2 | All ports, manways, hatches, or inspection points were opened and allowed to air out. | |
| 2.2 | Equipment was inspected and found to be free of visible contamination and no presence of organic constituents. (Skip decontamination and rinsing procedures and go to verification procedures on Section 2.9) | |
| 2.2 | Containment pads provided adequate containment of waste from washing and rinsing. | |
| 2.3 | Scaffolding was erected for equipment systems higher than 6 feet without fixed elevated work surfaces. | |
| 2.3 | Spray barriers or protective sheeting were installed (if there is a possibility of overspray beyond the containment area). | |
| 2.3 | Washing equipment and supplies, water sources, and washwater collection points were available. | |
| 2.3 | Ingress and egress were limited to a single retaining wall, stair well or ladder. | |
| 2.3 | Emergency equipment and PPE decontamination stations were in place. | |
| 2.3 | Tank, vessel or process equipment drain lines/valves were connected to a | |
| | temporary storage tank to hold the spent washwater. | |
| 2.4 | Accumulated debris or sludge found in the bottom of a tank or process vessel was collected and placed into DOT containers or totes for waste determination and proper disposal. | |
| 2.5 | If needed, flushing of irregular internal surfaces was performed with washwater or a sodium hydroxide solution. Solution used: | |
| 2.6 | Pre-soaking was performed with washwater. | |
| 2.7 | Exterior surfaces were pressure washed. | |
| 2.7 | Interior surfaces were pressure washed. Irregular internal chambers and voids are pressure were pressure washed using a mole or wide angle rotor washing attachment. | |
| 2.8 | Exterior surfaces were rinsed twice. | |
| 2.8 | Interior surfaces were rinsed twice. | |
| 2.8 | Spent rinseate was transferred to a temporary storage tank. | |
| 2.9 | Verification of successful decontamination was conducted in accordance with Section 6 (see Form Appendix B1). | |
| 2.10 | Should general pressure washing of tank surfaces require more vigorous decontamination, the following course of action was taken using hydroblasting of selected surfaces to remove rust, scale, or stubborn build up of contamination | |
| 2.10 | Spent hydroblasting rinse water was allowed to drain into secondary containment and was collected immediately and continuously, and pumped to the temporary holding tank located in Tank Farm D. | V |

| 2.10 | Plastic or cloth barriers were erected to prevent overspray or ejection of particles beyond the control zone, if necessary. | 114 | |
|------|---|-----|--|
| 2.10 | Conducted hydroblasting in accordance with the safety and operational policies found in the Clean Harbors hydroblasting safety and procedure guidelines. | 1 | |
| 2.10 | All manways on tank opened prior to commencement of high pressure spraying. | | |
| 2.10 | Tank surfaces were checked visually every few minutes to monitor progress and determine results. | | |
| 2.10 | Hydroblasted surfaces were allowed to dry. | | |
| 2.10 | Verification of successful decontamination was conducted in accordance with Section 6 (see Form Appendix B1). | | |
| 2.10 | Any remaining loose scale or material in pitted surfaces was/were manually removed using wire brushes or hand grinders. | | |
| 2.10 | Solids were collected from the containment pad sump and from the first stage of the filter system and containerized for characterization and determination for proper disposal. | | |

INSTRUCTIONS:

Equipment IDs are found in SOP Appendix A (Inventory of Units and Equipment). Note any comments on the back of this form and reference the SOP Section #.

| 1 | |
|---|---|
| EQUIPMENT ID: | DATE: 3-11-09 |
| HWMU/SWMU ID: THINK PARKE | |
| | |
| SOP SECT. # | COMMENTS |
| TANK AND | CONTAINMENT COLD UP |
| FOR DISPOSA | |
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| I have completed this form based on my actions or observations, and attest that the information noted is true and accurate. | Based on my personal observations and/or inquiry of responsible individuals, I attest that this form was properly and accurately completed. |
| | Make Helso |
| Lead Technician Signature | Project Superintendent Signature |
| | MIKE GRESON |
| Lead Technician Printed Name | Project Superintendent Printed Name |
| 3-11-09 Date | 3-11-119 |
| Date | Data |

| Equipment Information | | | |
|---|---|--|--|
| HWMU/SWMU: | TIMICITIEM D Equipment ID: T136 | | |
| Tank | ☐ Carbon Steel ☐ Stainless Steel ☐ HDPE ☐ Other: | | |
| Process Equipment | ☐ Carbon Steel ☐ Stainless Steel ☐ HDPE ☐ Other: | | |
| | | | |
| Exterior Location #1 | TANK EXTERIOR | | |
| | r (ide(itiry): | | |
| Observations: | | | |
| Surface contamina | ntion: 🗆 Yes 🗅 No Staining: 🗅 Yes 🗅 No Residyes in cracks, pits: 🗅 Yes 🗅 No | | |
| Exterior Location #2 | 2 (identify):\ | | |
| Observations: | | | |
| Surface contamina | ition: 🗆 Yes 🗖 No Staining: 🗅 Yes 🗀 No Residues in cracks, pits: 🗀 Yes 🗅 No | | |
| Exterior Location #3 | 3 (identify): | | |
| Observations: | | | |
| Surface contamina | tion: 🗆 Yes 🗖 No 🏻 Staining: 🗖 Yes 📮 No Residues in cracks, pits: 🗀 Yes 🗖 No | | |
| Remaining Exterior | Surfaces | | |
| Observations: | | | |
| | \ / | | |
| Surface contamina | tion: 🗆 Yes 🗎 No Staining: 💆 Yes 🗅 No Residues in cracks, pits: 🗅 Yes 🗀 No | | |
| | | | |
| | TANK INTERIOR | | |
| Interior Location #1 | (identify): | | |
| Observations: | | | |
| Surface contamina | tion: ☐ Yes ☐ No Staining: ☐ Yes ☐ No Residues in cracks, pits: ☐ Yes ☐ No | | |
| Interior Location #2 | (identify): | | |
| Observations: | | | |
| | | | |
| Surface contamina | tion: Yes No Staining: Yes No Residues in cracks, pits: Yes No | | |
| Interior Location #3 (identify): | | | |
| Observations: | | | |
| Surface contamination: Yes No Staining: Yes No Residues in cracks, pits: Yes No | | | |
| Remaining Interior S | | | |
| Observations: | | | |
| Surface contaminal | tion: 🗆 Yes 🗀 No Staining: 🗀 Yes 🗀 No Residues in cracks, pits: 🗀 Yes 🗀 No | | |

| Equipment Information | | | |
|--|--|--|--|
| HWMU/SWMU: THIK FARM > Equ | uipment ID: 736 | | |
| | National Control of the Control of t | | |
| Verifica | tion Comments | | |
| TANK C | UT UP FOR DISPONAL | | |
| | | | |
| | | | |
| | | | |
| NOTES See Romic Southwest Closure SOP Section 6 for g | uidance. Attach tank sketch if appropriate. | | |
| Verific | ation Results | | |
| ☐ Pass | ☐ Fail | | |
| free of all visible contaminated soil and hazardous waste e shadows, slight streaks, or minor discolorations, and soil an | ction; that is, each surface, when viewed without magnification, is except that residual staining from soil and waste consisting of light and waste in cracks, crevices, and pits may be present provided that shall be limited to no more than 5% of each square inch of surface | | |
| | nt to deside whether to repeat decontamination | | |
| Repeat Decontamination? Yes No | Dispose as hazardous waste? Yes No | | |
| Project Superintendent Comments: | Dispose as mazardous waste: 2 163 2 110 | | |
| | | | |
| Project Superintendent Certification | Project Manager Certification | | |
| I certify that this document and all attachments were prepared und my direction or supervision. Based on my inquiry of those persor directly responsible for gathering the information, the informatic submitted is, to the best of my knowledge and belief, true, accurat and complete. | ler I certify that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the | | |
| | | | |
| Project Superintendent Printed Name | Project Manager Printed Name | | |
| | | | |
| Project Superintendent Signature | Project Manager Signature | | |
| | | | |
| Date | Date | | |

p. 2 of 2

| EQUIPMENT ID: | TRIO | DATE: | E09 |
|---------------|-------------------|-------|-----|
| HWMU/SWMU ID: | DISTINGATION CONT | | |

| SOP SECT.# | SOP STEP | COMPLETED (Y - N - N/A) |
|---------------|--|----------------------------|
| 2.1 | If decontamination was not conducted "in-place", equipment was inspected, drained of any free liquids, and moved to a bermed containment area before decontamination. | 124 |
| 2.2 | Equipment was inspected for vapors and checked for confined space requirements. Gas meter reading: | 4 |
| 2.2 | If reading was >10% LEL, equipment was vented and purged, and an atomized water spray was used to knock down vapors. Continuous monitoring was conducted at the outlet port to insure <10% LEL outside the tank at all times. | n4 |
| 2.2 | All ports, manways, hatches, or inspection points were opened and allowed to air out. | Ì |
| 2.2 | Equipment was inspected and found to be free of visible contamination and no presence of organic constituents. (Skip decontamination and rinsing procedures and go to verification procedures on Section 2.9) | n |
| 2.2 | Containment pads provided adequate containment of waste from washing and rinsing. | 4 |
| 2.3 | Scaffolding was erected for equipment systems higher than 6 feet without fixed elevated work surfaces. | L |
| 2.3 | Spray barriers or protective sheeting were installed (if there is a possibility of overspray beyond the containment area). | 4 |
| 2.3 | Washing equipment and supplies, water sources, and washwater collection points were available. | V |
| 2.3 | Ingress and egress were limited to a single retaining wall, stair well or ladder. | i i |
| 2.3 | Emergency equipment and PPE decontamination stations were in place. | 4 |
| 2.3 | Tank, vessel or process equipment drain lines/valves were connected to a | |
| | temporary storage tank to hold the spent washwater. | l l |
| 2.4 | Accumulated debris or sludge found in the bottom of a tank or process vessel was collected and placed into DOT containers or totes for waste determination and proper disposal. | Y |
| 2.5 | If needed, flushing of irregular internal surfaces was performed with washwater or a sodium hydroxide solution. Solution used: | n/a |
| 2.6 | Pre-soaking was performed with washwater. | nA |
| 2.7 | Exterior surfaces were pressure washed. | 4 |
| 2.7 | Interior surfaces were pressure washed. Irregular internal chambers and voids are pressure were pressure washed using a mole or wide angle rotor washing attachment. | Ç |
| 2.8 | Exterior surfaces were rinsed twice. | W. |
| 2.8 | Interior surfaces were rinsed twice. | Ų |
| 2.8 | Spent rinseate was transferred to a temporary storage tank. | t |
| 2.9 | Verification of successful decontamination was conducted in accordance with Section 6 (see Form Appendix B1). | 4 |
| 2.10 | Should general pressure washing of tank surfaces require more vigorous decontamination, the following course of action was taken using hydroblasting of selected surfaces to remove rust, scale, or stubborn build up of contamination | Y!A |
| 2.10 | Spent hydroblasting rinse water was allowed to drain into secondary containment and was collected immediately and continuously, and pumped to the temporary holding tank located in Tank Farm D. | MA |

| 2.10 | Plastic or cloth barriers were erected to prevent overspray or ejection of particles beyond the control zone, if necessary. | 7/4 |
|------|---|-----------|
| 2.10 | Conducted hydroblasting in accordance with the safety and operational policies found in the Clean Harbors hydroblasting safety and procedure guidelines. | |
| 2.10 | All manways on tank opened prior to commencement of high pressure spraying. | |
| 2.10 | Tank surfaces were checked visually every few minutes to monitor progress and determine results. | |
| 2.10 | Hydroblasted surfaces were allowed to dry. | |
| 2.10 | Verification of successful decontamination was conducted in accordance with Section 6 (see Form Appendix B1). | |
| 2.10 | Any remaining loose scale or material in pitted surfaces was/were manually removed using wire brushes or hand grinders. | |
| 2.10 | Solids were collected from the containment pad sump and from the first stage of the filter system and containerized for characterization and determination for proper disposal. | \bigvee |

INSTRUCTIONS:

Equipment IDs are found in SOP Appendix A (Inventory of Units and Equipment). Note any comments on the back of this form and reference the SOP Section #.

| EQUIPMENT ID: | DATE: メーバークタ |
|---|---|
| SOP SECT. # | COMMENTS |
| COL OCOL.W | COMMENTS |
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| I have completed this form based on my actions of observations, and attest that the information noted is true and accurate. | Based on my personal observations and/or inquiry of responsible individuals, I attest that this form was properly and accurately completed. |
| | Project Superintendent Signature |
| Lead Technician Signature | - |
| | Mde Girson |
| Lead Technician Printed Name | Project Superintendent Printed Name |
| 3/2/09. Date | 3/4/69 Date |
| Date | Date |

| Equipment Information | | | |
|--------------------------|-----------------|--------------------------------|---|
| HWMU/SWMU: | DETIL UNIT | Equipment ID: | 7210 |
| Tank | ☐ Carbon Steel | Stainless Steel | |
| Process Equipment | ☐ Carbon Steel | | |
| | | | |
| | | TANK EXTERIOR | |
| Exterior Location #1 (i | identify): | 705 CEN | 77513_ |
| Observations: | | · | |
| Surface contamination | on: 🗖 Yes 📮 No | Staining: 🗖 Yes 💯 1 | No Residues in cracks, pits: 🗖 Yes 💆 No |
| Exterior Location #2 (i | dentify): | tst side wh | 26 |
| Observations: | | | |
| Surface contamination | on: 🗖 Yes 💆 No | Staining: 🗖 Yes 💆 🛚 | No Residues in cracks, pits: 🗖 Yes 💆 No |
| Exterior Location #3 (i | dentify): B_0 | OTTOM CGUTGA | 2 |
| Observations: | | | |
| Surface contamination | on: 🚨 Yes 📮 No | Staining: 🗖 Yes 💆 N | No Residues in cracks, pits: 🖵 Yes 💆 No |
| Remaining Exterior Su | rfaces | ALL | |
| Observations: | | | |
| Surface contamination | on: 🗖 Yes 🗖 No | Staining: 🗆 Yes 🕨 | No Residues in cracks, pits: 🗖 Yes 🍱 No |
| | | | |
| | | TANK INTERIOR | |
| Interior Location #1 (id | dentify): | FOR CELLING | - note 14724/mixes |
| Observations: | | | f le de familie |
| Surface contaminatio | n: 🗖 Yes Ӯ No | Staining: 🗖 Yes 🖼 N | No Residues in cracks, pits: 🗖 Yes 🞾 No |
| Interior Location #2 (ic | dentify): | EAST SIDE | |
| Observations: | 1 | C is Something and the Comment | THE WINE |
| Surface contaminatio | n: 🛘 Yes 💆 No | Staining: 🗆 Yes 💆 N | No Residues in cracks, pits: Yes Y No |
| Interior Location #3 (id | dentify): | BOITEM CS | |
| Observations: | | | |
| Surface contaminatio | n: 🗖 Yes 🕅 No | Staining: 🛘 Yes 🗹 N | No Residues in cracks, pits: 🗖 Yes 📮 No |
| Remaining Interior Sur | faces / | 26 | |
| Observations: | * | | |
| Surface contamination | n: 🗖 Yes 🗗 No | Staining: 🔲 Yes 🔀 N | lo Residues in cracks, pits: Yes Yo |

| Equipmo | - A 1 - C A1 | | |
|--|---|--|--|
| Equipment Information | | | |
| HWMU/SWMU: Distribution can to Equi | pment ID: 7210 | | |
| | | | |
| Verificati | on Comments | | |
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| | | | |
| NOTES | | | |
| See Romic Southwest Closure SOP Section 6 for gu | idance. Attach tank sketch if appropriate. | | |
| | | | |
| Verifica | tion Results | | |
| ☑ Pass | ☐ Fail | | |
| "Pass" indicates that each surface has passed visual inspecti | on; that is, each surface, when viewed without magnification is | | |
| free of all visible contaminated soil and hazardous waste exc | cept that residual staining from soil and waste consisting of light | | |
| shadows, slight streaks, or minor discolorations, and soil and | waste in cracks, crevices, and pits may be present provided that | | |
| such staining and waste and soil in cracks, crevices, and pits s area. [ref 40 CFR 268.45 Table 1] | hall be limited to no more than 5% of each square inch of surface | | |
| | to decide whether to repeat decontamination | | |
| Repeat Decontamination? Yes No | Dispose as hazardous waste? Yes No | | |
| Project Superintendent Comments: | Dispose as fiazardous waste: 🗖 165 🚨 140 | | |
| roject supermendent comments. | | | |
| | | | |
| | | | |
| Desirat Consulator dest Contification | | | |
| Project Superintendent Certification I certify that this document and all attachments were prepared under | Project Manager Certification | | |
| my direction or supervision. Based on my inquiry of those persons | I certify that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to | | |
| directly responsible for gathering the information, the information | assure that qualified personnel properly gather and evaluate the | | |
| submitted is, to the best of my knowledge and belief, true, accurate, | information submitted. Based on my inquiry of the persons who | | |
| and complete. | manage the system and/or are directly responsible for gathering the | | |
| | information, the information is, to the best of my knowledge and belief, true, accurate, and complete. | | |
| | | | |
| MINE GIRSON | 214 | | |
| | I MATTHEW DUNK | | |
| Project Superintendent Printed Name | Project Manager Printed Name | | |
| Project Superintendent Privited Name | Project Manager Printed Name | | |
| Minke Marie | CALL . | | |
| Project Superintendent Privited Name While Superintendent Signature | Project Manager Signature | | |
| Minke Aller | CALL . | | |

| Equipment Information | | | |
|---|--|--|--|
| HWMU/SWMU: | VACUUM POT Equipment ID: | | |
| Tank | ☐ Carbon Steel ☐ Stainless Steel ☐ HDPE ☐ Other: | | |
| Process Equipment | ☐ Carbon Steel ☐ Stainless Steel ☐ HDPE ☐ Other: | | |
| - | The Companies | | |
| | TANK EXTERIOR | | |
| Exterior Location #1 (i | dentify): MAIN BODY (REBOILER) | | |
| Observations: | Clean | | |
| Surface contamination | n: 🗆 Yes 🔁 No Staining: 🗖 Yes 🗷 No Residues in cracks, pits: 🗖 Yes 🗷 No | | |
| Exterior Location #2 (i | dentify): | | |
| Observations: | | | |
| Surface contamination | n: ☐ Yes ☐ No Staining: ☐ Yes ☐ No Residues in cracks, pits: ☐ Yes ☐ No | | |
| Exterior Location #3 (i | dentify): | | |
| Observations: | | | |
| Surface contamination | n: 🗆 Yes 🗆 No Staining: 🗆 Yes 🗔 No Residues in cracks, pits: 🗅 Yes 🗔 No | | |
| Remaining Exterior Su | rfaces | | |
| Observations: | | | |
| Surface contamination: ☐ Yes ☐ No Staining: ☐ Yes ☐ No Residues in cracks, pits: ☐ Yes ☐ No | | | |
| | | | |
| | TANK INTERIOR | | |
| Interior Location #1 (i | dentify): MAIN BODY (REBOILER) | | |
| Observations: | Very Clean | | |
| Surface contamination | n: 🗆 Yes 😼 No 📗 Staining: 🚨 Yes 🖼 No 🖟 Residues in cracks, pits: 🗀 Yes 💢 No | | |
| Interior Location #2 (i | lentify): | | |
| Observations: | | | |
| Surface contamination | n: 🗆 Yes 🗖 No Staining: 🗖 Yes 🗀 No Residues in cracks, pits: 🗀 Yes 🗅 No | | |
| Interior Location #3 (i | lentify): | | |
| Observations: | | | |
| Surface contamination | n: 🗖 Yes 🗖 No Staining: 🗖 Yes 🗋 No Residues in cracks, pits: 🗖 Yes 🗖 No | | |
| Remaining Interior Su | faces | | |
| Observations: | | | |
| Surface contamination | on: 🗆 Yes 🗅 No Staining: 🗖 Yes 🗆 No Residues in cracks, pits: 🗀 Yes 🖨 No | | |



| Equipment Information | | | | |
|--|---------------------------------|----------------------|---|--------------|
| HWMU/SWMU: VACUUM POT Equipment ID: | | | | |
| | | | | |
| | Inspector (| Comments | 197 | |
| Interior surface u | vas c | looned wil | h hot | - NMP(n- |
| methyL pymolodinme) with steam before sh | and | then tripl | e riv | rsed bed |
| with steam before sh | utting | it down in | 1 Sept | 2007. |
| NOTES See Romic Southwest Closure SOP Section 6 for guidance. Attach tank sketch if appropriate. | | | | |
| | Inspectio | n Results | | |
| □ P: | ass | Fail | | |
| "Pass" indicates that each surface has passed visual inspection; that is, each surface, when viewed without magnification, is free of all visible contaminated soll and hazardous waste except that residual staining from soil and waste consisting of light shadows, slight streaks, or minor discolorations, and soll and waste in cracks, crevices, and pits may be present provided that such staining and waste and soil in cracks, crevices, and pits shall be limited to no more than 5% of each square inch of surface area. [ref 40 CFR 268.45 Table 1] | | | | |
| Print Inspector Name: ASHO | K J | AIN | Date: | 7/29/09 |
| Inspector signature: | Inspector signature: As Longain | | | |
| If equipment failed, Project Superi | ntendent t | decide whether to re | peat decon | tamination |
| Repeat Decontamination? Tyes No | | Dispose as hazard | ous waste | ? 🗆 Yes 🚨 No |
| Project Superintendent Comments: | | | | |
| | | | , | |
| Project Superintendent Certificat | ion | Project Ma | anager Cer | tification |
| I certify that this document and all attachments were prepared under my direction or supervision. Based on my inquiry of those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I certify that this document and all attachments were prepared under my direction or supervision in accordance with a system designed assure that qualified personnel properly gather and evaluate to information submitted. Based on my inquiry of the persons we manage the system and/or are directly responsible for gathering to information, the information is, to the best of my knowledge a belief, true, accurate, and complete. | | | with a system designed to gather and evaluate the jury of the persons who ponsible for gathering the | |
| | | | | |
| Project Superintendent Printed Name | | Project N | Manager Printer | d Name |
| Project Superintendent Signature Project Manager Signature | | | | |
| | | | | |



Date

Date

| Equipment information | | | | |
|---|--|--|--|--|
| HWMU/SWMU: VACPOT RECEIVED Equipment ID: | | | | |
| Tank Carbon Steel Stainless Steel HDPE Other: | | | | |
| Process Equipment Carbon Steel Stainless Steel HDPE Other: | | | | |
| | | | | |
| TANK EXTERIOR | | | | |
| Exterior Location #1 (identify): RECEIVER #1 (SI) | | | | |
| Observations: | | | | |
| Surface contamination: 🗆 Yes 🛂 No Staining: 🗅 Yes 🔀 No Residues in cracks, pits: 🖵 Yes 🔀 No | | | | |
| Exterior Location #2 (Identify): | | | | |
| Observations: | | | | |
| Surface contamination: ☐ Yes ☐ No Staining: ☐ Yes ☐ No Residues in cracks, pits: ☐ Yes ☐ No | | | | |
| Exterior Location #3 (identify): | | | | |
| Observations: | | | | |
| Surface contamination: 🗆 Yes 🗅 No Staining: 🗅 Yes 🗅 No Residues in cracks, pits: 🗅 Yes 🗀 No | | | | |
| Remaining Exterior Surfaces | | | | |
| Observations: | | | | |
| Surface contamination: ☐ Yes ☐ No Staining: ☐ Yes ☐ No Residues in cracks, pits: ☐ Yes ☐ No | | | | |
| | | | | |
| TANK INTERIOR | | | | |
| Interior Location #1 (identify): RECEIVER # 1 (SI) | | | | |
| Observations: COULD'T SEE INSIDE THE TANK | | | | |
| Surface contamination: ☐ Yes ☐ No Staining: ☐ Yes ☐ No Residues in cracks, pits: ☐ Yes ☐ No | | | | |
| Interior Location #2 (identify): | | | | |
| Observations: | | | | |
| Surface contamination: ☐ Yes ☐ No Staining: ☐ Yes ☐ No Residues in cracks, pits: ☐ Yes ☐ No | | | | |
| Interior Location #3 (identify): | | | | |
| Observations: | | | | |
| Surface contamination: ☐ Yes ☐ No Staining: ☐ Yes ☐ No Residues in cracks, pits: ☐ Yes ☐ No | | | | |
| Remaining Interior Surfaces | | | | |
| Observations: | | | | |
| Surface contamination: Yes No Staining: Yes No Residues in cracks, pits: Yes No | | | | |



| Equipment Information | | | | |
|---|-----------------------------|------------------------|---------------------------------------|--|
| HWMU/SWMU: Vactot Receiver) Equipment 1D: | | | | |
| Vacior Received | | | | |
| | Inspector | Comments | · · · · · · · · · · · · · · · · · · · | |
| & Distilled | MMP was st | oved into Re | ecevu SI before | |
| | | | | |
| three times be | efore Shutin | g down this | also steamcleans | |
| NOTES See Romic Southwest Closure SOP Section 6 for guidance. Attach tank sketch if appropriate. | | | | |
| | Inspectio | n Results | | |
| | 🔀 Pass | Fail | | |
| "Pass" indicates that each surface has passed visual inspection; that is, each surface, when viewed without magnification, is free of all visible contaminated soil and hazardous waste except that residual staining from soil and waste consisting of light shadows, slight streaks, or minor discolorations, and soil and waste in cracks, crevices, and pits may be present provided that such staining and waste and soil in cracks, crevices, and pits shall be limited to no more than 5% of each square inch of surface area. [ref 40 CFR 268.45 Table 1] | | | | |
| Print Inspector Name: | e: ASHOK JAIN Date: 7/29/09 | | Date: 7/29/09 | |
| Inspector signature: | or signature: Ashon Janin | | | |
| If equipment failed, | Project Superintendent t | o decide whether to re | peat decontamination | |
| Repeat Decontamination? | | Dispose as hazaro | dous waste? 🗆 Yes 🚨 No | |
| Project Superintendent C | omments: | | | |
| "- | | | | |
| Project Superintend | lent Certification | Project Ma | anager Certification | |
| I certify that this document and all attachments were prepared under my direction or supervision. Based on my inquiry of those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. | | | | |
| | | | | |
| Project Superintendent Printed Name Project Manager Printed Name | | | | |
| | | | | |
| Project Superintend | dent Signature | Project | t Manager Signature | |
| | | | | |



Date

Date

| Equipment Information | | | |
|---|--|--|--|
| HWMU/SWMU: | Vacuum Pot Receit Equipment ID: | | |
| Tank | ☐ Carbon Steel ☐ Stainless Steel ☐ HDPE ☐ Other: | | |
| Process Equipment | ☐ Carbon Steel ☐ Stainless Steel ☐ HDPE ☐ Other: | | |
| | | | |
| | TANK EXTERIOR | | |
| | dentify): Receiver # 2 (SZ) | | |
| Observations: | Elean | | |
| Surface contamination | n: 🗆 Yes 🗅 No Staining: 🗅 Yes 🗀 No Residues in cracks, pits: 🗅 Yes 🖵 No | | |
| Exterior Location #2 (i | dentify): | | |
| Observations: | | | |
| Surface contamination | on: 🗆 Yes 🗅 No Staining: 🗀 Yes 🗅 No Residues in cracks, pits: 🗆 Yes 🖵 No | | |
| Exterior Location #3 (i | dentify): | | |
| Observations: | | | |
| Surface contamination | on: 🗆 Yes 🗆 No Staining: 🖸 Yes 🗅 No Residues in cracks, pits: 🗀 Yes 🗖 No | | |
| Remaining Exterior Su | | | |
| Observations: | | | |
| Surface contamination: ☐ Yes ☐ No Staining: ☐ Yes ☐ No Residues in cracks, pits: ☐ Yes ☐ No | | | |
| | | | |
| | TANK INTERIOR | | |
| Interior Location #1 (i | dentify): RECEIVER # 2 (52) | | |
| Observations: | NABLE TO SEE INSIDE | | |
| Surface contamination | on: 🗆 Yes 🗅 No Staining: 🚨 Yes 🗆 No Residues in cracks, pits: 🗅 Yes 🗔 No | | |
| Interior Location #2 (i | 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 | | |
| Observations: | | | |
| Surface contamination | on: 🗆 Yes 🗀 No Staining: 🗆 Yes 🗋 No Residues in cracks, pits: 🗆 Yes 🖨 No | | |
| Interior Location #3 (in | dentify): | | |
| Observations: | | | |
| Surface contamination | on: 🗆 Yes 🗖 No Staining: 🗆 Yes 🗋 No Residues in cracks, pits: 🗆 Yes 🗖 No | | |
| Remaining Interior Su | | | |
| Observations: | | | |
| Surface contamination | on: 🗆 Yes 🗀 No Staining: 🗅 Yes 🗅 No Residues in cracks, pits: 🖨 Yes 🗅 No | | |



| Equipmen | t Information | | | |
|---|--|--|--|--|
| HWMU/SWMU: VACPOT RECEIVER Equip | ment ID: | | | |
| Inspecto | r Comments | | | |
| - ' '' | · · · · · · · · · · · · · · · · · · · | | | |
| Receiver Sz was very cl | ean. we stored product NMP | | | |
| before drumming it up - he | 2. 52 was also steem cleaned | | | |
| 3 times before shutting | down in Sept 2007 | | | |
| NOTES See Romic Southwest Closure SOP Section 6 for guidance. Attach tank sketch if appropriate. | | | | |
| Inspect | ion Results | | | |
| 🔽 Pass | ☐ Fail | | | |
| "Pass" indicates that each surface has passed visual inspection; that is, each surface, when viewed without magnification, is free of all visible contaminated soil and hazardous waste except that residual staining from soil and waste consisting of light shadows, slight streaks, or minor discolorations, and soil and waste in cracks, crevices, and pits may be present provided that such staining and waste and soil in cracks, crevices, and pits shall be limited to no more than 5% of each square inch of surface area. [ref 40 CFR 268.45 Table 1] | | | | |
| Print Inspector Name: ASHOLC | JAIN Date: 7/29/09 | | | |
| Inspector signature: Ashu gaus | | | | |
| If equipment failed, Project Superintendent | to decide whether to repeat decontamination | | | |
| Repeat Decontamination? 🖸 Yes 🔲 No Dispose as hazardous waste? 📮 Yes 🗀 No | | | | |
| Project Superintendent Comments: | | | | |
| Deciset Cup evinten dent Cortification | Project Manager Contification | | | |
| Project Superintendent Certification I certify that this document and all attachments were prepared unde my direction or supervision. Based on my inquiry of those person directly responsible for gathering the information, the informatio submitted is, to the best of my knowledge and belief, true, accurate and complete. | my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the | | | |
| | | | | |
| Project Superintendent Printed Name | Project Manager Printed Name | | | |
| Project Superintendent Signature | Project Manager Signature | | | |
| P | , | | | |
| Date | Date | | | |



| EQUIPMENT ID: 1hn | FUM WAIT | DATE: | 3-6-09 |
|--------------------|-----------|----------|--------|
| HWMU/SWMU ID: 71tm | FILM /UNE | POT ARGA | |

| SOP SECT.# | SOP STEP | COMPLETED (Y - N - N/A) |
|---------------|--|----------------------------|
| 2.1 | If decontamination was not conducted "in-place", equipment was inspected, drained of any free liquids, and moved to a bermed containment area before decontamination. | na |
| 2.2 | Equipment was inspected for vapors and checked for confined space requirements. Gas meter reading: | 4 |
| 2.2 | If reading was >10% LEL, equipment was vented and purged, and an atomized water spray was used to knock down vapors. Continuous monitoring was conducted at the outlet port to insure <10% LEL outside the tank at all times. | 1114 |
| 2.2 | All ports, manways, hatches, or inspection points were opened and allowed to air out. | |
| 2.2 | Equipment was inspected and found to be free of visible contamination and no presence of organic constituents. (Skip decontamination and rinsing procedures and go to verification procedures on Section 2.9) | u |
| 2.2 | Containment pads provided adequate containment of waste from washing and rinsing. | i, |
| 2.3 | Scaffolding was erected for equipment systems higher than 6 feet without fixed elevated work surfaces. | WA |
| 2.3 | Spray barriers or protective sheeting were installed (if there is a possibility of overspray beyond the containment area). | 11.4 |
| 2.3 | Washing equipment and supplies, water sources, and washwater collection points were available. | Y |
| 2.3 | Ingress and egress were limited to a single retaining wall, stair well or ladder. | |
| 2.3 | Emergency equipment and PPE decontamination stations were in place. | 4 |
| 2.3 | Tank, vessel or process equipment drain lines/valves were connected to a | <i>!</i> |
| | temporary storage tank to hold the spent washwater. | LИ |
| 2.4 | Accumulated debris or sludge found in the bottom of a tank or process vessel was | |
| | collected and placed into DOT containers or totes for waste determination and proper disposal. | 7 |
| 2.5 | If needed, flushing of irregular internal surfaces was performed with washwater or a sodium hydroxide solution. Solution used: | NA |
| 2.6 | Pre-soaking was performed with washwater. | il |
| 2.7 | Exterior surfaces were pressure washed. | Ŷ |
| 2.7 | Interior surfaces were pressure washed. Irregular internal chambers and voids are pressure were pressure washed using a mole or wide angle rotor washing attachment. | Y |
| 2.8 | Exterior surfaces were rinsed twice. | i. |
| 2.8 | Interior surfaces were rinsed twice. | Speri |
| 2.8 | Spent rinseate was transferred to a temporary storage tank. | 4 |
| 2.9 | Verification of successful decontamination was conducted in accordance with Section 6 (see Form Appendix B1). | i. |
| 2.10 | Should general pressure washing of tank surfaces require more vigorous decontamination, the following course of action was taken using hydroblasting of selected surfaces to remove rust, scale, or stubborn build up of contamination | n,a |
| 2.10 | Spent hydroblasting rinse water was allowed to drain into secondary containment and was collected immediately and continuously, and pumped to the temporary holding tank located in Tank Farm D. | V |

| 2.10 | Plastic or cloth barriers were erected to prevent overspray or ejection of particles beyond the control zone, if necessary. | í | 14 | · |
|------|---|---|----------|---|
| 2.10 | Conducted hydroblasting in accordance with the safety and operational policies found in the Clean Harbors hydroblasting safety and procedure guidelines. | • | 1.4 | |
| 2.10 | All manways on tank opened prior to commencement of high pressure spraying. | | \ | |
| 2.10 | Tank surfaces were checked visually every few minutes to monitor progress and determine results. | | | |
| 2.10 | Hydroblasted surfaces were allowed to dry. | | l | |
| 2.10 | Verification of successful decontamination was conducted in accordance with Section 6 (see Form Appendix B1). | | | |
| 2.10 | Any remaining loose scale or material in pitted surfaces was/were manually removed using wire brushes or hand grinders. | | | |
| 2.10 | Solids were collected from the containment pad sump and from the first stage of the filter system and containerized for characterization and determination for proper disposal. | 1 | 1 | |

INSTRUCTIONS:

Equipment IDs are found in SOP Appendix A (Inventory of Units and Equipment). Note any comments on the back of this form and reference the SOP Section #.

| EQUIPMENT | ID: THIN FILM UNT | DATE: 3/6/09 | | | |
|---|---|--|--|--|--|
| ł c | HWMU/SWMU ID: THIN FILM AREA | | | | |
| | | | | | |
| SOP SECT. # | | COMMENTS | | | |
| 2.3 | DRHAGO TO BLIND | Samp and Pamped R | | | |
| | | Hudine Amic | | | |
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| | | | | | |
| I have completed observations, and at and accurate. | this form based on my actions or ttest that the information noted is true | Based on my personal observations and/or inquiry of responsible individuals, I attest that this form was properly and accurately completed./ | | | |
| | | | | | |
| Lead | d Technician Signature | Project Superintendent Signature | | | |
| | | Mile Greson | | | |
| Lead 1 | Technician Printed Name | Project Superintendent Printed Name | | | |
| | 3/10/09 Date | 3/11/09 | | | |
| | Date ' | Date | | | |

| Equipment Information | | | |
|------------------------|-------------------|------------------------|--|
| HWMU/SWMU: | The Ale | ? Equipment ID: | THUN FILM LINIT |
| Tank | ☐ Carbon Stee | | |
| Process Equipment | (2) Carbon Stee | | |
| | | | |
| Futorior Location #1 | file weigh. | TANK EXTERIOR | |
| Exterior Location #1 | L (identity): | THUR FUM R | ? cours |
| Observations: | | | |
| | ntion: 🗖 Yes 🖫 No | Staining: 🗖 Yes 🎾 No | Residues in cracks, pits: Yes No |
| Exterior Location #2 | ! (identify): | The run Si | |
| Observations: | | , | |
| Surface contamina | tion: 🗖 Yes 💆 No | Staining: 🗆 Yes 💆 No | Residues in cracks, pits: Yes 🖟 No |
| Exterior Location #3 | (identify): | THIN FUM DR | |
| Observations: | | | |
| Surface contamina | tion: 🗖 Yes 🗘 No | Staining: Yes No | Residues in cracks, pits: Tyes P No |
| Remaining Exterior S | Surfaces | | VER BEDY (MINDLE |
| Observations: | | | Lek Parl (primare) |
| Surface contaminat | tion: 🛭 Yes 🗹 No | Staining: 🗖 Yes 💆 No | Residues in cracks, pits: Yes No |
| | | | |
| | | TANK INTERIOR | |
| Interior Location #1 | (identify): | UNDERNECTIFF 7 | To cover Assembly |
| Observations: | | | |
| Surface contaminat | | Staining: 🗖 Yes 💆 No | Residues in cracks, pits: 🗖 Yes 💆 No |
| Interior Location #2 | (identify): | ROTIC SURFAC | BOTTONL |
| Observations: | | July 1 and Marie (No. | 2 |
| Surface contaminat | ion: 🗖 Yes 🍱 No | Staining: 🖸 Yes 💆 No | Residues in cracks, pits: ☐ Yes ☑ No |
| Interior Location #3 (| (identify): | | Lette SHELL |
| Observations: | | | Little |
| Surface contaminat | ion: 🛘 Yes 🗗 No | Staining: 🗆 Yes 💯 No | Residues in cracks, pits: Yes No |
| Remaining Interior Su | urfaces | | 2 TATALE MANIFORD |
| Observations: | • | | The state of the s |
| Surface contaminati | ion: 🗖 Yes 🕍 No | Staining: Yes No | Residues in cracks, pits: 4 Yes 1 No |

| | Equipment Information | | | |
|--|---|-------------------------------------|--------------------|--|
| 111448 414 (01448 414 | | | ment ID: | |
| | Ann Frum | / Equip | ment ib. | THE FILM COURT |
| | | | | |
| | Verification Comments | | | |
| | | | | |
| | Will be | ··································· | | |
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| <u> </u> | | | | |
| | | | | |
| NOTES | | | | |
| See Romic Southwes | t Closure SOP Secti | on 6 for guid | dance. Attac | h tank sketch if appropriate. |
| | | ··· | | |
| | | | on Results | |
| | [2] | Pass | | Fail |
| "Pass" indicates that each | h surface has passed v | visual inspectio | n; that is, eac | h surface, when viewed without magnification, is |
| iree of all visible contami | inated soil and hazardo | ous waste exce | ept that residu | al staining from soil and waste consisting of light |
| such staining and waste a | ir minor discolorations, | , and soil and v | waste in cracks | , crevices, and pits may be present provided that |
| area. [ref 40 CFR 268.45 T | able 1] | es, and pits sn | all be limited t | o no more than 5% of each square inch of surface |
| lf equipment | failed, Project Supe | erintendent i | to decide wh | nether to repeat decontamination |
| Repeat Decontamina | | | | e as hazardous waste? Yes No |
| Project Superintende | nt Comments: | | | |
| | | | | |
| | | | | |
| | | | | |
| | intendent Certifica | | | Project Manager Certification |
| I certify that this document as my direction or supervision. | nd all attachments were p Based on my inquiry of | repared under . | I certify that the | nis document and all attachments were prepared under |
| directly responsible for gath | ering the information, th | he information | assure that q | or supervision in accordance with a system designed to ualified personnel properly gather and evaluate the |
| submitted is, to the best of n | ny knowledge and belief, | true, accurate, | information s | ubmitted. Based on my inquiry of the persons who |
| and complete. | | | manage the sy | ystem and/or are directly responsible for gathering the |
| | | | belief, true, ac | he information is, to the best of my knowledge and curate, and complete. |
| at le | ()0. | | | 2.1 11). |
| Mike Grison | | | Matthea Sunce | |
| Project Superi | intendent Printed Name | | | Project Manager Printed Name |
| 7/1/2 | K Llm | · | | Wall 2 |
| Project Sup | erintendent Signature | | | Project Manager Signature |
| - / | 1 | | | 1 / - |
| <i></i> | 4/09 | | | 3/18/19 |
| Date | | | Dato | |

| EQUIPMENT ID: _ | DISTHUSTYONEBOUGE | DATE: | 2/18/09 | |
|-----------------|--------------------|-------|---------|--|
| HWMU/SWMU ID: | DISTILLATION CITIT | | , | |

| SOP SECT.# | SOP STEP | COMPLETED (Y - N - N/A) | | |
|---------------|--|----------------------------|--|--|
| 2.1 | If decontamination was not conducted "in-place", equipment was inspected, drained of any free liquids, and moved to a bermed containment area before decontamination. | n4 | | |
| 2.2 | Equipment was inspected for vapors and checked for confined space requirements. Gas meter reading: | ts. | | |
| 2.2 | If reading was >10% LEL, equipment was vented and purged, and an atomized water spray was used to knock down vapors. Continuous monitoring was conducted at the outlet port to insure <10% LEL outside the tank at all times. | 4 | | |
| 2.2 | All ports, manways, hatches, or inspection points were opened and allowed to air out. | 4 | | |
| 2.2 | Equipment was inspected and found to be free of visible contamination and no presence of organic constituents. (Skip decontamination and rinsing procedures and go to verification procedures on Section 2.9) | η | | |
| 2.2 | Containment pads provided adequate containment of waste from washing and rinsing. | y | | |
| 2.3 | Scaffolding was erected for equipment systems higher than 6 feet without fixed elevated work surfaces. | 11.4 | | |
| 2.3 | Spray barriers or protective sheeting were installed (if there is a possibility of overspray beyond the containment area). | 11.4 | | |
| 2.3 | Washing equipment and supplies, water sources, and washwater collection points were available. | · U | | |
| 2.3 | Ingress and egress were limited to a single retaining wall, stair well or ladder. | 4 | | |
| 2.3 | Emergency equipment and PPE decontamination stations were in place. | 4 | | |
| 2.3 | Tank, vessel or process equipment drain lines/valves were connected to a temporary storage tank to hold the spent washwater. | 4 | | |
| 2.4 | Accumulated debris or sludge found in the bottom of a tank or process vessel was collected and placed into DOT containers or totes for waste determination and proper disposal. | 4 | | |
| 2.5 | If needed, flushing of irregular internal surfaces was performed with washwater or a sodium hydroxide solution. Solution used: | n4 | | |
| 2.6 | Pre-soaking was performed with washwater. | NA | | |
| 2.7 | Exterior surfaces were pressure washed. | *** | | |
| 2.7 | Interior surfaces were pressure washed. Irregular internal chambers and voids are pressure were pressure washed using a mole or wide angle rotor washing attachment. | | | |
| 2.8 | Exterior surfaces were rinsed twice. | البات المات | | |
| 2.8 | Interior surfaces were rinsed twice. | ¥ | | |
| 2.8 | Spent rinseate was transferred to a temporary storage tank. | 4 | | |
| 2.9 | Verification of successful decontamination was conducted in accordance with Section 6 (see Form Appendix B1). | Y | | |
| 2.10 | Should general pressure washing of tank surfaces require more vigorous decontamination, the following course of action was taken using hydroblasting of selected surfaces to remove rust, scale, or stubborn build up of contamination | n4 | | |
| 2.10 | Spent hydroblasting rinse water was allowed to drain into secondary containment and was collected immediately and continuously, and pumped to the temporary holding tank located in Tank Farm D. | na | | |

| 2.10 | Plastic or cloth barriers were erected to prevent overspray or ejection of particles beyond the control zone, if necessary. | n4 |
|------|---|----|
| 2.10 | Conducted hydroblasting in accordance with the safety and operational policies found in the Clean Harbors hydroblasting safety and procedure guidelines. | |
| 2.10 | All manways on tank opened prior to commencement of high pressure spraying. | |
| 2.10 | Tank surfaces were checked visually every few minutes to monitor progress and determine results. | |
| 2.10 | Hydroblasted surfaces were allowed to dry. | |
| 2.10 | Verification of successful decontamination was conducted in accordance with Section 6 (see Form Appendix B1). | |
| 2.10 | Any remaining loose scale or material in pitted surfaces was/were manually removed using wire brushes or hand grinders. | |
| 2.10 | Solids were collected from the containment pad sump and from the first stage of the filter system and containerized for characterization and determination for proper disposal. | V |

INSTRUCTIONS:

Equipment IDs are found in SOP Appendix A (Inventory of Units and Equipment). Note any comments on the back of this form and reference the SOP Section #.

| EQUIPMENT ID: REBOURD LINES HWMU/SWMU ID: DISTRICATION LINES | |
|---|---|
| | |
| SOP SECT. # | COMMENTS |
| | COMMENTS |
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| | |
| I have completed this form based on my actions or observations, and attest that the information noted is true and accurate. | Based on my personal observations and/or inquiry of responsible individuals, I attest that this form was properly and accurately completed/ |
| | Milestyn |
| Lead Technician Signature | Project Superinterdent Signature |
| | MIKE GASON |
| Lead Technician Printed Name | Project Superintendent Printed Name |
| 3/9/09 | 3/11/69 Date |
| Date | Date |

| Equipment Information | | | |
|-----------------------|------------------|---|--|
| HWMU/SWMU: | DIST. UNIT | Equipment ID: ROBOILER | |
| Tank | ☐ Carbon Steel | Stainless Steel HDPE Other: | |
| Process Equipment | ☐ Carbon Steel | Stainless Steel HDPE Other: | |
| | | TANK EVTEDIOD | |
| | (1) | TANK EXTERIOR | |
| Exterior Location #1 | (identify): | Not USTEH AREA | |
| Observations: | | CUT THROUGH INSULATION TO | |
| Surface contamina | tion: 🚨 Yes 🚨 No | Staining: 🗖 Yes 💆 No Residues in cracks, pits: 🗖 Yes 💆 No | |
| Exterior Location #2 | (identify): | SIDE (MORTH) CGHTER | |
| Observations: | | | |
| Surface contamina | tion: 🗖 Yes 💆 No | Staining: Yes No Residues in cracks, pits: Yes Mo | |
| Exterior Location #3 | (identify): | BOTTOM (EAST SIDE) | |
| Observations: | | | |
| Surface contamina | tion: 🗖 Yes 💆 No | Staining: Yes Tho Residues in cracks, pits: Yes Mo | |
| Remaining Exterior | Surfaces | 426 | |
| Observations: | | | |
| Surface contamina | tion: 🗖 Yes 🗣 No | Staining: Yes W No Residues in cracks, pits: Yes No | |
| | | | |
| | | TANK INTERIOR | |
| Interior Location #1 | (identify): | TUP CEILING PROP HATZIA | |
| Observations: | | | |
| Surface contamina | tion: 🗖 Yes 🗘 No | Staining: Yes No Residues in cracks, pits: Yes No | |
| Interior Location #2 | (identify): | West END CENTERS | |
| Observations: | | | |
| Surface contamina | tion: 🗖 Yes 檱 No | Staining: Yes No Residues in cracks, pits: Yes No | |
| Interior Location #3 | (identify): | BOTTOM CGNTGR | |
| Observations: | | | |
| Surface contamina | tion: 🛘 Yes 💆 No | Staining: Tes X No Residues in cracks, pits: Yes X No | |
| Remaining Interior S | Surfaces | ALC | |
| Observations: | | | |
| Surface contamina | tion: 🗖 Yes 💆 No | Staining: Yes No Residues in cracks, pits: Yes No | |

| | Equipment Information | | | | |
|--|--|--|--|--|--|
| HWMU/SWMU: | DIST GUITE Equip | ment ID: | REBUILER | | |
| | | | | | |
| | Verificatio | on Comment | is . | | |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| NOTES See Romic Southwest | t Closure SOP Section 6 for gui | dance. Atta | ch tank sketch if appropriate. | | |
| | Verificat | tion Results | | | |
| | Pass | | Fail | | |
| free of all visible contami shadows, slight streaks, o | inated soil and hazardous waste exc ir minor discolorations, and soil and ind soil in cracks, crevices, and pits s | cept that reside waste in crack | ch surface, when viewed without magnification, is ual staining from soil and waste consisting of light is, crevices, and pits may be present provided that to no more than 5% of each square inch of surface | | |
| If equipment | failed, Project Superintendent | to decide w | hether to repeat decontamination | | |
| Repeat Decontamina | tion? 🗖 Yes 🔲 No | Dispo | se as hazardous waste? 🛭 Yes 🔲 No | | |
| Project Superintende | nt Comments: | | | | |
| | | | | | |
| Project Superi | intendent Certification | | Project Manager Certification | | |
| I certify that this document and all attachments were prepared under my direction or supervision. Based on my inquiry of those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. | | my direction assure that information manage the information, | this document and all attachments were prepared under or supervision in accordance with a system designed to qualified personnel properly gather and evaluate the submitted. Based on my inquiry of the persons who system and/or are directly responsible for gathering the the information is, to the best of my knowledge and accurate, and complete. | | |
| MIKE | GIPSON | | Mothew Dunn | | |
| Project Supe | Project Superintendent Printed Name | | Project Manager Printed Name | | |
| M | I. Show | | CML) | | |
| Project Sur | perintendent Signature | 1 | Project Manager Signature | | |
| | 111/09 | | 3/18/69 | | |
| Date | | | Date | | |

| EQUIPMENT ID: | HEAT E | xcumua2(14 | EXEMPLE: | 2/18/09 |
|---------------|--------|------------|----------|---------|
| HWMU/SWMU ID: | 15% | unis | _ | |

| SOP SECT.# | SOP STEP | COMPLETED (Y - N - N/A) | |
|---------------|--|----------------------------|--|
| 2.1 | If decontamination was not conducted "in-place", equipment was inspected, drained of any free liquids, and moved to a bermed containment area before decontamination. | <i>n</i> 4 | |
| 2.2 | Equipment was inspected for vapors and checked for confined space requirements. Gas meter reading: | 4 | |
| 2.2 | If reading was >10% LEL, equipment was vented and purged, and an atomized water spray was used to knock down vapors. Continuous monitoring was conducted at the outlet port to insure <10% LEL outside the tank at all times. | 124 | |
| 2.2 | All ports, manways, hatches, or inspection points were opened and allowed to air out. | 7 | |
| 2.2 | Equipment was inspected and found to be free of visible contamination and no presence of organic constituents. (Skip decontamination and rinsing procedures and go to verification procedures on Section 2.9) | n | |
| 2.2 | Containment pads provided adequate containment of waste from washing and rinsing. | 4 | |
| 2.3 | Scaffolding was erected for equipment systems higher than 6 feet without fixed elevated work surfaces. | NA | |
| 2.3 | Spray barriers or protective sheeting were installed (if there is a possibility of overspray beyond the containment area). | NA | |
| 2.3 | Washing equipment and supplies, water sources, and washwater collection points were available. | 4 | |
| 2.3 | Ingress and egress were limited to a single retaining wall, stair well or ladder. | | |
| 2.3 | Emergency equipment and PPE decontamination stations were in place. | 4 | |
| 2.3 | Tank, vessel or process equipment drain lines/valves were connected to a temporary storage tank to hold the spent washwater. | · · | |
| 2.4 | Accumulated debris or sludge found in the bottom of a tank or process vessel was collected and placed into DOT containers or totes for waste determination and proper disposal. | + | |
| 2.5 | If needed, flushing of irregular internal surfaces was performed with washwater or a sodium hydroxide solution. Solution used: | nA | |
| 2.6 | Pre-soaking was performed with washwater. | Y | |
| 2.7 | Exterior surfaces were pressure washed. | Ų. | |
| 2.7 | Interior surfaces were pressure washed. Irregular internal chambers and voids are pressure were pressure washed using a mole or wide angle rotor washing attachment. | 4 | |
| 2.8 | Exterior surfaces were rinsed twice. | Y | |
| 2.8 | Interior surfaces were rinsed twice. | i. | |
| 2.8 | Spent rinseate was transferred to a temporary storage tank. | l iz | |
| 2.9 | Verification of successful decontamination was conducted in accordance with Section 6 (see Form Appendix B1). | 7 | |
| 2.10 | Should general pressure washing of tank surfaces require more vigorous decontamination, the following course of action was taken using hydroblasting of selected surfaces to remove rust, scale, or stubborn build up of contamination | n4 | |
| 2.10 | Spent hydroblasting rinse water was allowed to drain into secondary containment and was collected immediately and continuously, and pumped to the temporary holding tank located in Tank Farm D. | 124 | |

| 2.10 | Plastic or cloth barriers were erected to prevent overspray or ejection of particles beyond the control zone, if necessary. | M |
|------|---|--|
| 2.10 | Conducted hydroblasting in accordance with the safety and operational policies found in the Clean Harbors hydroblasting safety and procedure guidelines. | ž. |
| 2.10 | All manways on tank opened prior to commencement of high pressure spraying. | |
| 2.10 | Tank surfaces were checked visually every few minutes to monitor progress and determine results. | |
| 2.10 | Hydroblasted surfaces were allowed to dry. | |
| 2.10 | Verification of successful decontamination was conducted in accordance with Section 6 (see Form Appendix B1). | AND THE PROPERTY OF THE PROPER |
| 2.10 | Any remaining loose scale or material in pitted surfaces was/were manually removed using wire brushes or hand grinders. | |
| 2.10 | Solids were collected from the containment pad sump and from the first stage of the filter system and containerized for characterization and determination for proper disposal. | d' |

INSTRUCTIONS:

Equipment IDs are found in SOP Appendix A (Inventory of Units and Equipment). Note any comments on the back of this form and reference the SOP Section #.

| EQUIPMENT II | REBONEZ D: HEUT EXCHMER | DATE: | 2/18/09 |
|---------------------------|---|----------------------|-------------------------------------|
| HWMU/SWMU | ID: DIST UNIT | | |
| 1111111070111110 | 10. | | |
| SOP SECT. # | | COMMENTS | |
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| I have completed | this form based on my actions or | Posed on my pers | onal observations and/or inquiry of |
| | test that the information noted is true | responsible individu | als, I attest that this form was |
| and accurate. | | properly and accurat | ely completed. |
| | | 1211 | that me |
| Lead Technician Signature | | Project | Superintendent Signature |
| | | Mil | E Curson |
| Lead 7 | Technician Printed Name | | perintendent Printed Name |
| | 3/11/09 | 31 | 12/09 |
| Date | | | Date |

| Equipment Information | | | | |
|--------------------------|---|-------------------|---|--|
| HWMU/SWMU: | DIST, UNI | Equipment ID: | HOUT EXCUSIONE (ROBOLLES) | |
| Tank | ☐ Carbon Stee | | HDPE Other: | |
| Process Equipment | rocess Equipment ☐ Carbon Steel ☐ Stainless Steel ☐ HDPE ☑ Other: _ < < < > < < > < < > < < > < < > < < > < < > < < > < < > < < > < < > < < > < < > < < > < < > < < > < < > < < > < < > < < > < < > < < > < < > < < > < < > < < > < < > < < > < < > < < > < < < > < < > < < > < < > < < > < < > < < > < < > < < > < < > < < > < < > < < > < < > < < > < < > < < > < < > < < > < < > < < > < < < > < < < > < < < > < < < > < < < > < < < > < < < > < < < > < < < > < < < > < < < > < < < > < < < > < < < > < < < > < < < > < < < > < < < > < < < > < < < > < < < < < > < < < > < < < < < > < < < < < > < < < < < > < < < < < < > < < < < < < > < < < < < > < < < < < < < > < < < < < < < > < < < < < < > < < < < < < > < < < < < > < < < < < > < < < < < > < < < < < > < < < < < < < < < < < > < < < < < < < > < < < < < < < < < < < < > < < < < < < < < < < < < < < < < > < < < < < < < < < < < < < < < < < < < < | | | |
| | | TANK EXTERIOR | | |
| Exterior Location #1 (i | dentify): | 70,2 (91 | | |
| Observations: | | 107 (40) | //- | |
| Observations. | | | | |
| Surface contamination | on: 🛘 Yes 🞜 No | Staining: 🗖 Yes 💆 | No Residues in cracks, pits: 🗖 Yes 💆 No | |
| Exterior Location #2 (i | dentify): | WEST ENL | > | |
| Observations: | | | | |
| Surface contamination | on: 🗖 Yes 👰 No | Staining: Yes | No Residues in cracks, pits: Yes 2 No | |
| Exterior Location #3 (i | dentify): | Bottom ég | NFR | |
| Observations: | | | | |
| | | | | |
| Surface contamination | on: 🗖 Yes 🙇 No | Staining: Tyes | No Residues in cracks, pits: 🗖 Yes 🗹 No | |
| Remaining Exterior Su | rfaces | ALL | | |
| Observations: | | | | |
| Surface contamination | on: 🔲 Yes 🗖 No | Staining: 🗖 Yes 💆 | No Residues in cracks, pits: 🖸 Yes 💆 No | |
| | | | | |
| 1.1 | -1 | TANK INTERIOR | | |
| Interior Location #1 (id | dentity): | PAST MANIFE | ad care introve | |
| Observations: | | | | |
| Surface contamination | on: 🗖 Yes 💆 No | Staining: 🗖 Yes 💆 | No Residues in cracks, pits: Yes You | |
| Interior Location #2 (id | dentify): | COPPER TO | BING MIGGIES | |
| Observations: | | 1 | | |
| Surface contamination | on: 🗆 Yes 🗹 No | Staining: Yes | No Residues in cracks, pits: Yes 'No | |
| Interior Location #3 (id | | | 31116- Man 1800 | |
| Observations: | | for the for | Sauce & | |
| | | | | |
| Surface contamination | on: 🔲 Yes 💯 No | Staining: 🗖 Yes 🔀 | No Residues in cracks, pits: 🗖 Yes 🔊 No | |
| Remaining Interior Sur | rfaces | mil | | |
| Observations: | | • | | |
| | | | 2 | |
| Surface contamination | on: 🗖 Yes 🐧 No | Staining: 🗗 Yes 💆 | No Residues in cracks, pits: 🗆 Yes 🛂 No | |
| | | 10 | | |

| Equipment Information | | | | | |
|--|--|---|--|---|--|
| HWMU/SWMU: | Des clair Equip | ment ID: | Redonke | that Exertiness | |
| | Verification Comments | | | | |
| | | | | | |
| | | | ************************************** | | |
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| | | | | | |
| NOTES See Romic Southwes | st Closure SOP Section 6 for guid | dance. Att | ach tank sketch i | f appropriate. | |
| | Verificati | ion Result: | s | | |
| | Pass | | ☐ Fail | | |
| free of all visible contam shadows, slight streaks, o | ch surface has passed visual inspection inated soil and hazardous waste except or minor discolorations, and soil and and soil in cracks, crevices, and pits should be all | ept that resi waste in cra | dual staining from s cks, crevices, and pi | soil and waste consisting of light its may be present provided that | |
| | t failed, Project Superintendent | to decide | whether to repea | at decontamination | |
| Repeat Decontamination? Yes No | | Disp | ose as hazardou: | s waste? 🔲 Yes 🔲 No | |
| Project Superintende | Project Superintendent Comments: | | | | |
| | | | | | |
| | rintendent Certification | | | ger Certification | |
| my direction or supervision directly responsible for gat | and all attachments were prepared under n. Based on my inquiry of those persons thering the information, the information my knowledge and belief, true, accurate, | my direction assure that information manage the information | on or supervision in ac at qualified personnel n submitted. Based o e system and/or are d | all attachments were prepared under coordance with a system designed to properly gather and evaluate the on my inquiry of the persons who directly responsible for gathering the to the best of my knowledge and ete. | |
| MILLE | GIRSON | | Matt | him Dune | |
| Project Supe | erintendent Printed Name | | Project Manag | ger Printed Name | |
| -711 M | b Mars | , | Mul | | |
| Project Su | perintenden Signature | <u> </u> | Project Mar | nager Signature | |
| 3, | 12/09 | | 3/18/1 | 09 | |
| | Date | | | Date | |

| EQUIPMENT ID: | 70W9R | DATE: _ | 2/18/09 |
|---------------|-------------------|---------|---------|
| HWMU/SWMU ID: | DISTILLATION WAIT | | |

| SOP SECT.# | SOP STEP | COMPLETED (Y - N - N/A) |
|---------------|--|----------------------------|
| 2.1 | If decontamination was not conducted "in-place", equipment was inspected, drained of any free liquids, and moved to a bermed containment area before decontamination. | L. |
| 2.2 | Equipment was inspected for vapors and checked for confined space requirements. Gas meter reading: | Y |
| 2.2 | If reading was >10% LEL, equipment was vented and purged, and an atomized water spray was used to knock down vapors. Continuous monitoring was conducted at the outlet port to insure <10% LEL outside the tank at all times. | NA |
| 2.2 | All ports, manways, hatches, or inspection points were opened and allowed to air out. | 4 |
| 2.2 | Equipment was inspected and found to be free of visible contamination and no presence of organic constituents. (Skip decontamination and rinsing procedures and go to verification procedures on Section 2.9) | <i>I</i> 1 |
| 2.2 | Containment pads provided adequate containment of waste from washing and rinsing. | · · |
| 2.3 | Scaffolding was erected for equipment systems higher than 6 feet without fixed elevated work surfaces. | 4 |
| 2.3 | Spray barriers or protective sheeting were installed (if there is a possibility of overspray beyond the containment area). | 7 |
| 2.3 | Washing equipment and supplies, water sources, and washwater collection points were available. | 7 |
| 2.3 | Ingress and egress were limited to a single retaining wall, stair well or ladder. | Y |
| 2.3 | Emergency equipment and PPE decontamination stations were in place. | 4 |
| 2.3 | Tank, vessel or process equipment drain lines/valves were connected to a temporary storage tank to hold the spent washwater. | SOU NOTES |
| 2.4 | Accumulated debris or sludge found in the bottom of a tank or process vessel was collected and placed into DOT containers or totes for waste determination and proper disposal. | T |
| 2.5 | If needed, flushing of irregular internal surfaces was performed with washwater or a sodium hydroxide solution. Solution used: | n.a n.a |
| 2.6 | Pre-soaking was performed with washwater. | AA |
| 2.7 | Exterior surfaces were pressure washed. | Y |
| 2.7 | Interior surfaces were pressure washed. Irregular internal chambers and voids are pressure were pressure washed using a mole or wide angle rotor washing attachment. | ų |
| 2.8 | Exterior surfaces were rinsed twice. | 10 |
| 2.8 | Interior surfaces were rinsed twice. | Ψ. |
| 2.8 | Spent rinseate was transferred to a temporary storage tank. | 4 |
| 2.9 | Verification of successful decontamination was conducted in accordance with Section 6 (see Form Appendix B1). | , |
| 2.10 | Should general pressure washing of tank surfaces require more vigorous decontamination, the following course of action was taken using hydroblasting of selected surfaces to remove rust, scale, or stubborn build up of contamination | r/4 |
| 2.10 | Spent hydroblasting rinse water was allowed to drain into secondary containment and was collected immediately and continuously, and pumped to the temporary holding tank located in Tank Farm D. | nA |

| 2.10 | Plastic or cloth barriers were erected to prevent overspray or ejection of particles beyond the control zone, if necessary. | iV4 |
|------|---|-----|
| 2.10 | Conducted hydroblasting in accordance with the safety and operational policies found in the Clean Harbors hydroblasting safety and procedure guidelines. | |
| 2.10 | All manways on tank opened prior to commencement of high pressure spraying. | |
| 2.10 | Tank surfaces were checked visually every few minutes to monitor progress and determine results. | |
| 2.10 | Hydroblasted surfaces were allowed to dry. | |
| 2.10 | Verification of successful decontamination was conducted in accordance with Section 6 (see Form Appendix B1). | |
| 2.10 | Any remaining loose scale or material in pitted surfaces was/were manually removed using wire brushes or hand grinders. | |
| 2.10 | Solids were collected from the containment pad sump and from the first stage of the filter system and containerized for characterization and determination for proper disposal. | V |

INSTRUCTIONS:

Equipment IDs are found in SOP Appendix A (Inventory of Units and Equipment). Note any comments on the back of this form and reference the SOP Section #.

| EQUIPMENT | ID: Tower | DATE: 2/18/09 | | |
|---|----------------------------------|---|--|--|
| HWMU/SWMU ID: PIST. UNIT: | | | | |
| | | - | | |
| SOP SECT. # | | COMMENTS | | |
| 21 | Removed Frun A | con PBD muses to Dean April | | |
| 23 | DAMIN IN DO | con 230 | | |
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| | | | | |
| I have completed | this form based on my actions or | Based on my personal observations and/or inquiry of | | |
| observations, and attest that the information noted is true and accurate. | | responsible individuals, I attest that this form was properly and accurately completed. | | |
| and accurate. | | properly and accurately completed. | | |
| | | Mik Lym | | |
| Lead Technician Signature | | Project Superintendent Signature | | |
| | | MIKE GIRSON | | |
| Lead | Technician Printed Name | Project Superintendent Printed Name | | |
| · | 3/10/07 Date | 3/11/19 | | |
| Date | | Date | | |

| Equipment Information | | | |
|---|--|--|--|
| HWMU/SWMU: | DIST WAIT Equipment ID: TOWER | | |
| Tank | ☐ Carbon Steel ☐ Stainless Steel ☐ HDPE ☐ Other: | | |
| Process Equipment | Carbon Steel Stainless Steel HDPE Other: | | |
| | | | |
| | TANK EXTERIOR | | |
| Exterior Location #1 (i | dentify): 108 CENTER | | |
| Observations: | • | | |
| Surface contamination | n: 🗆 Yes 💆 No Staining: 🗖 Yes 💯 No Residues in cracks, pits: 🗅 Yes 💯 No | | |
| Exterior Location #2 (i | dentify): CENTER MIDDLE | | |
| Observations: | | | |
| Surface contamination | n: 🗆 Yes 🗖 No Staining: 🗅 Yes 💆 No Residues in cracks, pits: 🗅 Yes 🗷 No | | |
| Exterior Location #3 (i | dentify): BOTEM RIM | | |
| Observations: | | | |
| Surface contamination | on: 🗆 Yes 🗹 No Staining: 🗅 Yes 🔀 No Residues in cracks, pits: 🗅 Yes 💋 No | | |
| Remaining Exterior Su | rfaces ALL | | |
| Observations: | | | |
| Surface contamination: 🗆 Yes 💆 No Staining: 🗅 Yes 💆 No Residues in cracks, pits: 🗅 Yes 💆 No | | | |
| | | | |
| ************************************* | TANK INTERIOR | | |
| Interior Location #1 (id | dentify): TOP 1007268 14 TERICAL | | |
| Observations: | | | |
| Surface contamination | n: 🗖 Yes 🗹 No Staining: 🗖 Yes 💆 No Residues in cracks, pits: 🗖 Yes 💆 No | | |
| Interior Location #2 (id | dentify): Lower DRAIN POST 11178108 | | |
| Observations: | | | |
| Surface contamination | n: 🗆 Yes 🖾 No Staining: 🗅 Yes 💆 No Residues in cracks, pits: 🗅 Yes 👰 No | | |
| Interior Location #3 (id | | | |
| Observations: | | | |
| Surface contamination | n: 🗆 Yes 📮 No Staining: 🗖 Yes 💆 No Residues in cracks, pits: 🗖 Yes 💆 No | | |
| Remaining Interior Sur | | | |
| Observations: | | | |
| Surface contamination | n: 🗆 Yes 🛂 No Staining: 🗅 Yes 🗗 No Residues in cracks, pits: 🗅 Yes 💆 No | | |

| Equipment Information | | | | |
|---|--|--|--|--|
| HWMU/SWMU: | | quipment ID: | 700192 | |
| | | ~~~ | , | |
| | Verific | ation Comment | ts | |
| | | | | |
| | | | | |
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| | | | | |
| NOTES See Romic Southwes | st Closure SOP Section 6 for | guidance. Atta | ch tank sketch if appropriate. | |
| | Verij | fication Results | | |
| | ⊿ Pass | | Fail | |
| "Pass" indicates that each surface has passed visual inspection; that is, each surface, when viewed without magnification, is free of all visible contaminated soil and hazardous waste except that residual staining from soil and waste consisting of light shadows, slight streaks, or minor discolorations, and soil and waste in cracks, crevices, and pits may be present provided that such staining and waste and soil in cracks, crevices, and pits shall be limited to no more than 5% of each square inch of surface area. [ref 40 CFR 268.45 Table 1] | | | | |
| | | dent to decide w | hether to repeat decontamination | |
| | | | se as hazardous waste? 🔲 Yes 🔲 No | |
| Project Superintende | ent Comments: | | | |
| | | | | |
| | rintendent Certification | | Project Manager Certification | |
| my direction or supervision directly responsible for gatl | and all attachments were prepared un. Based on my inquiry of those pethering the information, the inform my knowledge and belief, true, accu | ersons my direction assure that urate, information manage the information, | this document and all attachments were prepared under or supervision in accordance with a system designed to qualified personnel properly gather and evaluate the submitted. Based on my inquiry of the persons who system and/or are directly responsible for gathering the the information is, to the best of my knowledge and accurate, and complete. | |
| Mike Girson | | | Matthew Dince | |
| Project Supe | erintendent Printed Name | | Project Manager Printed Name | |
| m Ki | Lusson | | | |
| Project Su | perintendent Signature | | Project Manager Signature | |
| 3/ | 1,109 | | 3/18/09 | |
| Date | | | Date | |

| EQUIPMENT ID: DIST TOWER HOT EYC. | DATE: 2/18/09 |
|-----------------------------------|---------------|
| HWMU/SWMU ID: DISTILLATION WAIT | |

| SOP SECT.# | SOP STEP | COMPLETED (Y - N - N/A) |
|---------------|--|----------------------------|
| 2.1 | If decontamination was not conducted "in-place", equipment was inspected, drained of any free liquids, and moved to a bermed containment area before decontamination. | 4 |
| 2.2 | Equipment was inspected for vapors and checked for confined space requirements. Gas meter reading: | Y |
| 2.2 | If reading was >10% LEL, equipment was vented and purged, and an atomized water spray was used to knock down vapors. Continuous monitoring was conducted at the outlet port to insure <10% LEL outside the tank at all times. | WA |
| 2.2 | All ports, manways, hatches, or inspection points were opened and allowed to air out. | 4 |
| 2.2 | Equipment was inspected and found to be free of visible contamination and no presence of organic constituents. (Skip decontamination and rinsing procedures and go to verification procedures on Section 2.9) | И |
| 2.2 | Containment pads provided adequate containment of waste from washing and rinsing. | 4 |
| 2.3 | Scaffolding was erected for equipment systems higher than 6 feet without fixed elevated work surfaces. | 7 |
| 2.3 | Spray barriers or protective sheeting were installed (if there is a possibility of overspray beyond the containment area). | Ÿ. |
| 2.3 | Washing equipment and supplies, water sources, and washwater collection points were available. | |
| 2.3 | Ingress and egress were limited to a single retaining wall, stair well or ladder. | Y |
| 2.3 | Emergency equipment and PPE decontamination stations were in place. | 4 |
| 2.3 | Tank, vessel or process equipment drain lines/valves were connected to a | |
| | temporary storage tank to hold the spent washwater. | SE ALTES |
| 2.4 | Accumulated debris or sludge found in the bottom of a tank or process vessel was collected and placed into DOT containers or totes for waste determination and proper disposal. | 4 |
| 2.5 | If needed, flushing of irregular internal surfaces was performed with washwater or a sodium hydroxide solution. Solution used: | A A |
| 2.6 | Pre-soaking was performed with washwater. | i _w / |
| 2.7 | Exterior surfaces were pressure washed. | Y |
| 2.7 | Interior surfaces were pressure washed. Irregular internal chambers and voids are | |
| | pressure were pressure washed using a mole or wide angle rotor washing | i. |
| | attachment. | 4 |
| 2.8 | Exterior surfaces were rinsed twice. | ¥ |
| 2.8 | Interior surfaces were rinsed twice. | 7 |
| 2.8 | Spent rinseate was transferred to a temporary storage tank. | <u> </u> |
| 2.9 | Verification of successful decontamination was conducted in accordance with Section 6 (see Form Appendix B1). | γ |
| 2.10 | Should general pressure washing of tank surfaces require more vigorous decontamination, the following course of action was taken using hydroblasting of selected surfaces to remove rust, scale, or stubborn build up of contamination | NĂ |
| 2.10 | Spent hydroblasting rinse water was allowed to drain into secondary containment and was collected immediately and continuously, and pumped to the temporary holding tank located in Tank Farm D. | IV\$ |

| 2.10 | Plastic or cloth barriers were erected to prevent overspray or ejection of particles beyond the control zone, if necessary. | 174 |
|------|---|-----|
| 2.10 | Conducted hydroblasting in accordance with the safety and operational policies found in the Clean Harbors hydroblasting safety and procedure guidelines. | Ì |
| 2.10 | All manways on tank opened prior to commencement of high pressure spraying. | |
| 2.10 | Tank surfaces were checked visually every few minutes to monitor progress and determine results. | |
| 2.10 | Hydroblasted surfaces were allowed to dry. | |
| 2.10 | Verification of successful decontamination was conducted in accordance with Section 6 (see Form Appendix B1). | |
| 2.10 | Any remaining loose scale or material in pitted surfaces was/were manually removed using wire brushes or hand grinders. | |
| 2.10 | Solids were collected from the containment pad sump and from the first stage of the filter system and containerized for characterization and determination for proper disposal. | |

INSTRUCTIONS:

Equipment IDs are found in SOP Appendix A (Inventory of Units and Equipment). Note any comments on the back of this form and reference the SOP Section #.

| P SECT.# | COMMENTS |
|----------|--|
| 21 | REMOVED FRANK ROOF TO DECOM POINT |
| 23 | REMOVED FRANCE PORT TO DECIM POILS PRANCED IN Country of |
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| I have completed this form based on my actions or | Based on my personal observations and/or inquiry of |
|---|--|
| observations, and attest that the information noted is true | responsible individuals, I attest that this form was |
| and accurate. | properly and accurately completed. |
| | mikedy |
| Lead Technician Signature | Project Superintendent Signature |
| | Mike Gibsen |
| Lead Technician Printed Name | Project Superintendent Printed Name |
| 3/0/09 | 3/12/09 |
| Date | Date |

| Equipment Information | | | | | | |
|---|---------------------------------------|---|-----------|------------|--------------------------------------|--|
| HWMU/SWMU: DIST | | init | Equip | ment ID: | HOT EYEARNOUS TRUCK | |
| Tank | ☐ Carbo | on Steel 🔲 Stainless Steel 🔲 H | | | HDPE Other: | |
| Process Equipment | | on Steel Astainless Steel 日 HDPE A Other: | | | | |
| TANK EXTERIOR | | | | | | |
| Exterior Location | #1 /identify): | · | | | | |
| | HI (Identity). | | 30 TV 11 | MIDIX | <u> </u> | |
| Observations: | | | | | | |
| Surface contami | nation: 🗖 Yes | ☑ No | Staining: | ☐ Yes 🖾 No | Residues in cracks, pits: 🖵 Yes 🛍 No | |
| Exterior Location | #2 (identify): | | 8110 | CENTER | | |
| Observations: | | I | | | | |
| Surface contami | nation: 🚨 Yes | ₫ No | Staining: | ☐ Yes 🐠 No | Residues in cracks, pits: 🗖 Yes 🛂 No | |
| Exterior Location | #3 (identify): | | 87118 G | 8.00 | CENTRA | |
| Observations: | | | | | | |
| Surface contami | nation: 🗖 Yes | ₫ No | Staining: | ☐ Yes ☐ No | Residues in cracks, pits: 🗆 Yes 🗷 No | |
| Remaining Exterio | r Surfaces | | AL | | | |
| Observations: | | | | | | |
| Surface contami | nation: 🗖 Yes | Mo No | Staining: | ☐ Yes ☐ No | Residues in cracks, pits: 🖸 Yes 🏖 No | |
| | · · · · · · · · · · · · · · · · · · · | | | | | |
| | | | TANK | INTERIOR | | |
| Interior Location # | 1 (identify): | į | end | cover | MSIDE MITPICE CENTRE | |
| Observations: | | | | | | |
| Surface contamir | nation: 🗖 Yes | Ø No | Staining: | ☐ Yes 🔎 No | Residues in cracks, pits: 🗖 Yes 💆 No | |
| Interior Location #2 (identify): Manifold Bottom | | | | | | |
| Observations: | | k | | | | |
| Surface contamir | nation: 🗖 Yes | Ø No | Staining: | ☐ Yes ☑ No | Residues in cracks, pits: 🗖 Yes 💆 No | |
| Interior Location #3 (identify): 07/1912 FAID Maniferd BOTTEM | | | | | | |
| Observations: | | | | | | |
| Surface contamir | nation: 🗖 Yes | No | Staining: | ☐ Yes 💆 No | Residues in cracks, pits: 🗖 Yes 💆 No | |
| Remaining Interior Surfaces ALL | | | | | | |
| Observations: | | Ô | MBES C | (28/2) | | |
| Surface contamir | ation: Nes | TY No | Staining: | ☐ Yes A No | Residues in cracks, pits: Yes X No | |

| Equipment Information | | | | | | |
|--|--|--------------------------------|--|---|--|--|
| HWMU/SWMU: | DIST CONTS | Equipr | ment ID: | Truce? | HEIT EXCU | mock |
| | Vei | rification | n Comment | <u> </u> | | |
| | | <i>.</i> | | | | |
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| | The second secon | | | | | |
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| NOTES | | | | | | |
| See Romic Southwes | t Closure SOP Section 6 | for guid | lance. Attac | h tank sketch | n if appropriate. | |
| | | ·: : : : : : : | DIA- | | | • |
| | | | on Results | · · · · · · · · · · · · · · · · · · · | | |
| | Pas | | | Fail | | |
| free of all visible contam shadows, slight streaks, c such staining and waste a | th surface has passed visual sinated soil and hazardous w or minor discolorations, and and soil in cracks, crevices, as | aste exce soil and v | pt that residu vaste in crack | ial staining fron s, crevices, and | n soil and waste consist pits may be present pr | ting of light ovided that |
| area. [ref 40 CFR 268.45 T If equipment | failed, Project Superint | endent t | o decide wi | hether to rep | eat decontaminatio | n |
| Repeat Decontamina | | | Dispose as hazardous waste? ☐ Yes ☐ No | | | |
| Project Superintende | ent Comments: | | | | | |
| | | | | | | |
| Project Super | intendent Certification | | | Project Man | ager Certification | |
| I certify that this document and all attachments were prepared under my direction or supervision. Based on my inquiry of those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. | | | my direction assure that information s manage the s information, | or supervision in qualified personr submitted. Based system and/or are | d all attachments were pre accordance with a system let properly gather and of ton my inquiry of the p e directly responsible for g is, to the best of my kno plete. | designed to evaluate the persons who gathering the |
| MILLE GIPSON | | | Matthew Dunce | | | |
| Project Superintendent Printed Name | | | Project Manager Printed Name | | | |
| mile Sim | | | AMIL . | | | |
| Project Superintendent Signature | | | Project Manager Signature | | | |
| | 3/12/09 | | | 3/ | 18/09 | |
| Date | | | | | Date | |

| EQUIPMENT ID: | VOC | ant | DATE: | 2/18/09 |
|---------------|-----|------|-------|---------|
| HWMU/SWMU ID: | Uvc | cidi | | |

| SOP SECT.# | SOP STEP | COMPLETED (Y - N - N/A) |
|---------------|--|----------------------------|
| 2.1 | If decontamination was not conducted "in-place", equipment was inspected, drained of any free liquids, and moved to a bermed containment area before decontamination. | nA |
| 2.2 | Equipment was inspected for vapors and checked for confined space requirements. Gas meter reading: | i C |
| 2.2 | If reading was >10% LEL, equipment was vented and purged, and an atomized water spray was used to knock down vapors. Continuous monitoring was conducted at the outlet port to insure <10% LEL outside the tank at all times. | NA |
| 2.2 | All ports, manways, hatches, or inspection points were opened and allowed to air out. | 7 |
| 2.2 | Equipment was inspected and found to be free of visible contamination and no presence of organic constituents. (Skip decontamination and rinsing procedures and go to verification procedures on Section 2.9) | N |
| 2.2 | Containment pads provided adequate containment of waste from washing and rinsing. | 4 |
| 2.3 | Scaffolding was erected for equipment systems higher than 6 feet without fixed elevated work surfaces. | nA |
| 2.3 | Spray barriers or protective sheeting were installed (if there is a possibility of overspray beyond the containment area). | Ų |
| 2.3 | Washing equipment and supplies, water sources, and washwater collection points were available. | · August |
| 2.3 | Ingress and egress were limited to a single retaining wall, stair well or ladder. | 4 |
| 2.3 | Emergency equipment and PPE decontamination stations were in place. | + |
| 2.3 | Tank, vessel or process equipment drain lines/valves were connected to a temporary storage tank to hold the spent washwater. | Y |
| 2.4 | Accumulated debris or sludge found in the bottom of a tank or process vessel was collected and placed into DOT containers or totes for waste determination and proper disposal. | Y |
| 2.5 | If needed, flushing of irregular internal surfaces was performed with washwater or a sodium hydroxide solution. Solution used: | NA |
| 2.6 | Pre-soaking was performed with washwater. | NA |
| 2.7 | Exterior surfaces were pressure washed. | Ÿ |
| 2.7 | Interior surfaces were pressure washed. Irregular internal chambers and voids are pressure were pressure washed using a mole or wide angle rotor washing attachment. | ¥ |
| 2.8 | Exterior surfaces were rinsed twice. | Ų |
| 2.8 | Interior surfaces were rinsed twice. | Y |
| 2.8 | Spent rinseate was transferred to a temporary storage tank. | , |
| 2.9 | Verification of successful decontamination was conducted in accordance with Section 6 (see Form Appendix B1). | ¥ |
| 2.10 | Should general pressure washing of tank surfaces require more vigorous decontamination, the following course of action was taken using hydroblasting of selected surfaces to remove rust, scale, or stubborn build up of contamination | NA |
| 2.10 | Spent hydroblasting rinse water was allowed to drain into secondary containment and was collected immediately and continuously, and pumped to the temporary holding tank located in Tank Farm D. | nA |

| 2.10 | Plastic or cloth barriers were erected to prevent overspray or ejection of particles beyond the control zone, if necessary. | NA |
|------|---|----|
| 2.10 | Conducted hydroblasting in accordance with the safety and operational policies found in the Clean Harbors hydroblasting safety and procedure guidelines. | 1 |
| 2.10 | All manways on tank opened prior to commencement of high pressure spraying. | |
| 2.10 | Tank surfaces were checked visually every few minutes to monitor progress and determine results. | |
| 2.10 | Hydroblasted surfaces were allowed to dry. | |
| 2.10 | Verification of successful decontamination was conducted in accordance with Section 6 (see Form Appendix B1). | |
| 2.10 | Any remaining loose scale or material in pitted surfaces was/were manually removed using wire brushes or hand grinders. | |
| 2.10 | Solids were collected from the containment pad sump and from the first stage of the filter system and containerized for characterization and determination for proper disposal. | |

INSTRUCTIONS:

Equipment IDs are found in SOP Appendix A (Inventory of Units and Equipment). Note any comments on the back of this form and reference the SOP Section #.

| EQUIPMENT ID: VOC UNIT | DATE: 2/18/09 |
|---|--|
| HWMU/SWMU ID: VOC UNIT | |
| | |
| SOP SECT. # | COMMENTS |
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| I have completed this form based on my actions or observations, and attest that the information noted is true | Based on my personal observations and/or inquiry of responsible individuals, I attest that this form was |
| and accurate. | properly and accurately completed. |
| | m b de |
| Lead Technician Signature | Project Superintendent Signature |
| | MINE GRESON |
| Lead Technician Printed Name | Project Superintendent Printed Name |
| 3/11/0 9 Date | 3/12/09 |
| Date | Date |

| Equipment Information | | | | |
|---|---------------|--|--|--|
| HWMU/SWMU: | | ent Equipment ID: Voc unit | | |
| Tank | | teel 🛛 Stainless Steel 🔲 HDPE 🔲 Other: | | |
| Process Equipment Carbo | | teel 🔀 Stainless Steel 🗖 HDPE 🗖 Other: | | |
| | | TANK EXTERIOR | | |
| Exterior Location #1 (identify): COADEASOC | | | | |
| Observations: | | | | |
| Surface contamination | on: 🖵 Yes 💯 N | No Staining: Yes Yoo Residues in cracks, pits: Yes No | | |
| Exterior Location #2 (| dentify): | INLET LINE POST EXTENSIONS | | |
| Observations: | | | | |
| Surface contamination | on: 🗖 Yes 🗖 N | | | |
| Exterior Location #3 (| identify): | HOLDING TAPILE TOP | | |
| Observations: | | | | |
| Surface contamination | on: 🛭 Yes 💢 N | No Staining: Yes M No Residues in cracks, pits: Yes M No | | |
| Remaining Exterior Su | ırfaces | ALL | | |
| Observations: | | | | |
| Surface contaminati | on: 🛭 Yes 💯 N | No Staining: ☐ Yes ☎ No Residues in cracks, pits: ☐ Yes ☎ No | | |
| | | | | |
| | | TANK INTERIOR | | |
| Interior Location #1 (i | dentify): | HOLDING JANK BOTEM CENTER | | |
| Observations: | | | | |
| Surface contaminati | on: 🗖 Yes 🛱 N | No Staining: Yes Y No Residues in cracks, pits: Yes M No | | |
| Interior Location #2 (i | dentify): | CONDENSOR VALVE MIERICE | | |
| Observations: | | | | |
| Surface contaminati | on: 🗖 Yes 🗖 N | No Staining: Yes XINo Residues in cracks, pits: Yes XINo | | |
| Interior Location #3 (| dentify): | SLUDE PRAIN VALUE FATTARIOR | | |
| Observations: | | | | |
| Surface contamination: 🗖 Yes 🗖 No Staining: 🗖 Yes 🗖 No Residues in cracks, pits: 🗖 Yes 🗖 No | | | | |
| Remaining Interior Surfaces AZ L | | | | |
| Observations: | | | | |
| Surface contaminati | on: 🗖 Yes 🗗 I | No Staining: Yes Yoo Residues in cracks, pits: Yes No | | |

VERIFICATION FORM FOR TANKS, VESSELS, AND MAJOR PROCESS EQUIPMENT CLEAN DEBRIS SURFACE STANDARD

| Equipment Information | | | | |
|---|---|--|--|--|
| HWMU/SWMU: VOC UNIT Equipm | nent ID: DX unit | | | |
| | | | | |
| Verification | Comments | | | |
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| 1.00 | | | | |
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| NOTES | | | | |
| See Romic Southwest Closure SOP Section 6 for guid | ance. Attach tank sketch if appropriate. | | | |
| Verification | on Results | | | |
| | | | | |
| Pass | Fail | | | |
| | n; that is, each surface, when viewed without magnification, is pt that residual staining from soil and waste consisting of light | | | |
| shadows, slight streaks, or minor discolorations, and soil and w | vaste in cracks, crevices, and pits may be present provided that | | | |
| | all be limited to no more than 5% of each square inch of surface | | | |
| area. [ref 40 CFR 268.45 Table 1] If equipment failed, Project Superintendent t | o decide whether to repeat decontamination | | | |
| Repeat Decontamination? Yes No | Dispose as hazardous waste? Yes No | | | |
| Project Superintendent Comments: | | | | |
| | | | | |
| | | | | |
| | | | | |
| Project Superintendent Certification | Project Manager Certification | | | |
| I certify that this document and all attachments were prepared under my direction or supervision. Based on my inquiry of those persons | I certify that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to | | | |
| directly responsible for gathering the information, the information | assure that qualified personnel properly gather and evaluate the | | | |
| submitted is, to the best of my knowledge and belief, true, accurate, | information submitted. Based on my inquiry of the persons who | | | |
| and complete. | manage the system and/or are directly responsible for gathering the | | | |
| information, the information is, to the best of my knowle belief, true, accurate, and complete. | | | | |
| | 100 mt f/ | | | |
| MIKE GIPSON | Matthew Dun | | | |
| Project Superintendent Printed Name | Project Manager Printed Name | | | |
| m. k. H. so | (Mal) | | | |
| Project Superintendent Signature | Project Manager Signature | | | |
| 2/2/09 | | | | |
|) / / / / / Date | Date | | | |

CHECKLIST DECONTAMINATION OF TANKS, VESSELS, AND MAJOR PROCESS EQUIPMENT

| EQUIPMENT ID: | AErosch | UNIT | 1 | DATE: | 3/13/09 |
|---------------|---------|------|---|-------|---------|
| HWMU/SWMU ID: | и | " | | | |

| SOP SECT.# | SOP STEP | COMPLETED (Y - N - N/A) |
|---------------|--|----------------------------|
| 2.1 | If decontamination was not conducted "in-place", equipment was inspected, drained of any free liquids, and moved to a bermed containment area before decontamination. | M |
| 2.2 | Equipment was inspected for vapors and checked for confined space requirements. Gas meter reading: | 4 |
| 2.2 | If reading was >10% LEL, equipment was vented and purged, and an atomized water spray was used to knock down vapors. Continuous monitoring was conducted at the outlet port to insure <10% LEL outside the tank at all times. | NA |
| 2.2 | All ports, manways, hatches, or inspection points were opened and allowed to air out. | Ý |
| 2.2 | Equipment was inspected and found to be free of visible contamination and no presence of organic constituents. (Skip decontamination and rinsing procedures and go to verification procedures on Section 2.9) | n |
| 2.2 | Containment pads provided adequate containment of waste from washing and rinsing. | ţ |
| 2.3 | Scaffolding was erected for equipment systems higher than 6 feet without fixed elevated work surfaces. | n/A |
| 2.3 | Spray barriers or protective sheeting were installed (if there is a possibility of overspray beyond the containment area). | 4 |
| 2.3 | Washing equipment and supplies, water sources, and washwater collection points were available. | ~ |
| 2.3 | Ingress and egress were limited to a single retaining wall, stair well or ladder. | 4 |
| 2.3 | Emergency equipment and PPE decontamination stations were in place. | 4 |
| 2.3 | Tank, vessel or process equipment drain lines/valves were connected to a temporary storage tank to hold the spent washwater. | 4 |
| 2.4 | Accumulated debris or sludge found in the bottom of a tank or process vessel was collected and placed into DOT containers or totes for waste determination and proper disposal. | v (|
| 2.5 | If needed, flushing of irregular internal surfaces was performed with washwater or a sodium hydroxide solution. Solution used: | M |
| 2.6 | Pre-soaking was performed with washwater. | NA. |
| 2.7 | Exterior surfaces were pressure washed. | Υ |
| 2.7 | Interior surfaces were pressure washed. Irregular internal chambers and voids are pressure were pressure washed using a mole or wide angle rotor washing attachment. | 4 |
| 2.8 | Exterior surfaces were rinsed twice. | 4 |
| 2.8 | Interior surfaces were rinsed twice. | Y |
| 2.8 | Spent rinseate was transferred to a temporary storage tank. | y |
| 2.9 | Verification of successful decontamination was conducted in accordance with Section 6 (see Form Appendix B1). | 4 |
| 2.10 | Should general pressure washing of tank surfaces require more vigorous decontamination, the following course of action was taken using hydroblasting of selected surfaces to remove rust, scale, or stubborn build up of contamination | MA |
| 2.10 | Spent hydroblasting rinse water was allowed to drain into secondary containment and was collected immediately and continuously, and pumped to the temporary holding tank located in Tank Farm D. | NA |

CHECKLIST DECONTAMINATION OF TANKS, VESSELS, AND MAJOR PROCESS EQUIPMENT (Continued)

| 2.10 | Plastic or cloth barriers were erected to prevent overspray or ejection of particles beyond the control zone, if necessary. | na |
|------|---|----|
| 2.10 | Conducted hydroblasting in accordance with the safety and operational policies found in the Clean Harbors hydroblasting safety and procedure guidelines. | Ì |
| 2.10 | All manways on tank opened prior to commencement of high pressure spraying. | |
| 2.10 | Tank surfaces were checked visually every few minutes to monitor progress and determine results. | |
| 2.10 | Hydroblasted surfaces were allowed to dry. | |
| 2.10 | Verification of successful decontamination was conducted in accordance with Section 6 (see Form Appendix B1). | |
| 2.10 | Any remaining loose scale or material in pitted surfaces was/were manually removed using wire brushes or hand grinders. | |
| 2.10 | Solids were collected from the containment pad sump and from the first stage of the filter system and containerized for characterization and determination for proper disposal. | 4 |

INSTRUCTIONS:

Equipment IDs are found in SOP Appendix A (Inventory of Units and Equipment). Note any comments on the back of this form and reference the SOP Section #.

CHECKLIST DECONTAMINATION OF TANKS, VESSELS, AND MAJOR PROCESS EQUIPMENT (Continued)

| EQUIPMENT ID: Agessic unit 1 HWMU/SWMU ID: | DATE: 3/13/09 |
|---|---|
| SOP SECT. # | COMMENTS |
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| I have completed this form based on my actions or observations, and attest that the information noted is true and accurate. | Based on my personal observations and/or inquiry of responsible individuals, I attest that this form was properly and accurately completed. |
| Lead Technician Signature | Mills James Mills Signature |
| Lead Technician Printed Name | M I LE Cコマタッへ Project Superintendent Printed Name |
| 3/13/09 | 31.4/09 |

VERIFICATION FORM FOR TANKS, VESSELS, AND MAJOR PROCESS EQUIPMENT CLEAN DEBRIS SURFACE STANDARD

| Equipment Information | | | | |
|-----------------------|-----------------|------------------|---------------------|--------------------------------------|
| HWMU/SWMU: | A82050 | C UNTI Equipm | ent ID: | Arroson wat 1 |
| Tank | ⊅ Carbor | | s Steel 🔲 HC | OPE Other: |
| Process Equipmen | t 🖾 carbor | Steel 🔲 Stainles | s Steel 🚨 Hī | OPE Other: |
| | | | | |
| | | TANK EX | TERIOR | |
| Exterior Location # | 1 (identify): | (90175 | e CHA | misas Exteriors |
| Observations: | | | Fra | n Doch |
| Surface contamin | ation: 🗖 Yes 🍹 | No Staining: | Yes ⊠ No | Residues in cracks, pits: ☐ Yes 🇹 No |
| Exterior Location # | 2 (identify): | Peises | 702 | |
| Observations: | • | | | |
| Surface contamin | ation: 🗖 Yes 🦻 | No Staining: □ | Yes 🛂 No | Residues in cracks, pits: 🗖 Yes 🗣 No |
| Exterior Location # | 3 (identify): | 702 | | |
| Observations: | | | | |
| Surface contamin | ation: 🛭 Yes 🕻 | ØNo Staining: □ | l Yes ⊠ No │ | Residues in cracks, pits: 🗖 Yes 💆 No |
| Remaining Exterior | Surfaces | ALL | | |
| Observations: | | , , | | |
| Surface contamin | ation: 🛭 Yes 🗷 | No Staining: | Yes 💖 No | Residues in cracks, pits: ☐ Yes ☑ No |
| | | | | |
| | | TANK IN | TERIOR | |
| Interior Location # | 1 (identify): | INSIL | E CEN | TED CIAMBOR |
| Observations: | | | | |
| Surface contamin | ation: 🛭 Yes 🖔 | ¥No Staining: □ | Yes 🖾 No | Residues in cracks, pits: 🗖 Yes 🎾 No |
| Interior Location #2 | 2 (identify): | | | |
| Observations: | | | | , |
| Surface contamina | ation: 🗆 Yes 🗀 | No Staining: 🗆 | Yes 🗆 No | Residues in cracks, pits: ☐ Yes ☐ No |
| Interior Location #3 | 3 (identify): | | | |
| Observations: | | | | |
| Surface contamina | ation: 🗖 Yes 🗆 | No Staining: 🗆 | Yes 🛭 No | Residues in cracks, pits: 🖵 Yes 🖵 No |
| Remaining Interior | Surfaces | | | |
| Observations: | | | | |
| Surface contamina | ation: 🗆 Yes 🚨 | No Staining: □ | Yes 🗆 No | Residues in cracks, pits: Yes No |

VERIFICATION FORM FOR TANKS, VESSELS, AND MAJOR PROCESS EQUIPMENT CLEAN DEBRIS SURFACE STANDARD

| | Equipment Information | | | | | |
|--|---|---------------------------------------|---|---|--|--|
| HWMU/SWMU: | AFRESOL UNIT 1 | Equipme | ent ID: | Applica unit 1 | | |
| Verification Comments | | | | | | |
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| | | | | | | |
| NOTES See Romic Southwe | st Closure SOP Section 6 | for guidar | nce. Attach | tank sketch if appropriate. | | |
| | , Ve | erification | Results | | | |
| | Pas | iS | | Fail | | |
| free of all visible contar shadows, slight streaks, | minated soil and hazardous wa or minor discolorations, and s and soil in cracks, crevices, an | aste except soil and was | that residua ste in cracks, | surface, when viewed without magnification, is I staining from soil and waste consisting of light crevices, and pits may be present provided that no more than 5% of each square inch of surface | | |
| | | endent to | decide who | ether to repeat decontamination | | |
| Repeat Decontamin | ation? 🗆 Yes 🗀 No | | Dispose | e as hazardous waste? 🔲 Yes 🔲 No | | |
| Project Superintend | ent Comments: | | | | | |
| Project Suna | rintandant Cartification | T | ··· | Project Manager Certification | | |
| Project Superintendent Certification I certify that this document and all attachments were prepared under my direction or supervision. Based on my inquiry of those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. | | e persons normation a accurate, in in | certify that the my direction of assure that quantion sumanage the synformation, the certain of | Project Manager Certification is document and all attachments were prepared under a supervision in accordance with a system designed to palified personnel properly gather and evaluate the abmitted. Based on my inquiry of the persons who stem and/or are directly responsible for gathering the information is, to the best of my knowledge and curate, and complete. | | |
| MIKE FIROM | | | | Matthew Durin | | |
| Project Superintendent Printed Name | | | | Project Manager Printed Name | | |
| Project St | uperintendent Signature | | | Project Manager Signature | | |
| اسم. به دریا | 3/14/09 | | | 3/18/09 | | |
| | Date | | | Date | | |

CHECKLIST DECONTAMINATION OF TANKS, VESSELS, AND MAJOR PROCESS EQUIPMENT

| EQUIPMENT ID: | Deun | CAUSINE | DATE: _ | 3/14/09 |
|---------------|------|---------|---------|---------|
| HWMU/SWMU ID: | | | | |

| SOP SECT.# | SOP STEP | COMPLETED (Y - N - N/A) |
|---------------|--|---------------------------------------|
| 2.1 | If decontamination was not conducted "in-place", equipment was inspected, drained of any free liquids, and moved to a bermed containment area before decontamination. | <i>v</i> V4 |
| 2.2 | Equipment was inspected for vapors and checked for confined space requirements. Gas meter reading: | 4 |
| 2.2 | If reading was >10% LEL, equipment was vented and purged, and an atomized water spray was used to knock down vapors. Continuous monitoring was conducted at the outlet port to insure <10% LEL outside the tank at all times. | NA |
| 2.2 | All ports, manways, hatches, or inspection points were opened and allowed to air out. | ig ² |
| 2.2 | Equipment was inspected and found to be free of visible contamination and no presence of organic constituents. (Skip decontamination and rinsing procedures and go to verification procedures on Section 2.9) | N |
| 2.2 | Containment pads provided adequate containment of waste from washing and rinsing. | ų |
| 2.3 | Scaffolding was erected for equipment systems higher than 6 feet without fixed elevated work surfaces. | M |
| 2.3 | Spray barriers or protective sheeting were installed (if there is a possibility of overspray beyond the containment area). | Y |
| 2.3 | Washing equipment and supplies, water sources, and washwater collection points were available. | 4 |
| 2.3 | Ingress and egress were limited to a single retaining wall, stair well or ladder. | 4 |
| 2.3 | Emergency equipment and PPE decontamination stations were in place. | Ÿ |
| 2.3 | Tank, vessel or process equipment drain lines/valves were connected to a temporary storage tank to hold the spent washwater. | į |
| 2.4 | Accumulated debris or sludge found in the bottom of a tank or process vessel was collected and placed into DOT containers or totes for waste determination and proper disposal. | Ÿ |
| 2.5 | If needed, flushing of irregular internal surfaces was performed with washwater or a sodium hydroxide solution. Solution used: | iVA |
| 2.6 | Pre-soaking was performed with washwater. | MA |
| 2.7 | Exterior surfaces were pressure washed. | ч |
| 2.7 | Interior surfaces were pressure washed. Irregular internal chambers and voids are pressure were pressure washed using a mole or wide angle rotor washing attachment. | \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ |
| 2.8 | Exterior surfaces were rinsed twice. | Ng. |
| 2.8 | Interior surfaces were rinsed twice. | i i |
| 2.8 | Spent rinseate was transferred to a temporary storage tank. | |
| 2.9 | Verification of successful decontamination was conducted in accordance with Section 6 (see Form Appendix B1). | Y |
| 2.10 | Should general pressure washing of tank surfaces require more vigorous decontamination, the following course of action was taken using hydroblasting of selected surfaces to remove rust, scale, or stubborn build up of contamination | m |
| 2.10 | Spent hydroblasting rinse water was allowed to drain into secondary containment and was collected immediately and continuously, and pumped to the temporary holding tank located in Tank Farm D. | M |

CHECKLIST DECONTAMINATION OF TANKS, VESSELS, AND MAJOR PROCESS EQUIPMENT (Continued)

| 2.10 | Plastic or cloth barriers were erected to prevent overspray or ejection of particles beyond the control zone, if necessary. | iN4 |
|------|---|-----|
| 2.10 | Conducted hydroblasting in accordance with the safety and operational policies found in the Clean Harbors hydroblasting safety and procedure guidelines. | |
| 2.10 | All manways on tank opened prior to commencement of high pressure spraying. | |
| 2.10 | Tank surfaces were checked visually every few minutes to monitor progress and determine results. | |
| 2.10 | Hydroblasted surfaces were allowed to dry. | |
| 2.10 | Verification of successful decontamination was conducted in accordance with Section 6 (see Form Appendix B1). | |
| 2.10 | Any remaining loose scale or material in pitted surfaces was/were manually removed using wire brushes or hand grinders. | |
| 2.10 | Solids were collected from the containment pad sump and from the first stage of the filter system and containerized for characterization and determination for proper disposal. | |

INSTRUCTIONS:

Equipment IDs are found in SOP Appendix A (Inventory of Units and Equipment). Note any comments on the back of this form and reference the SOP Section #.

CHECKLIST DECONTAMINATION OF TANKS, VESSELS, AND MAJOR PROCESS EQUIPMENT (Continued)

| EQUIPMENT ID: Perm constact | DATE: 3/14/04 |
|---|---|
| HWMU/SWMU ID: | |
| <u> </u> | |
| SOP SECT. # | COMMENTS |
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| I have completed this form based on my actions or observations, and attest that the information noted is true and accurate. | Based on my personal observations and/or inquiry of responsible individuals, I attest that this form was properly and accurately completed, |
| | mhe Simo |
| Lead Technician Signature | Project Superintendent Signature |
| | MILE GIRSON |
| Lead Technician Printed Name | Project Superintendent Printed Name |
| 3)14/09 Date | 3/15/09 |
| Date | Date |

VERIFICATION FORM FOR TANKS, VESSELS, AND MAJOR PROCESS EQUIPMENT CLEAN DEBRIS SURFACE STANDARD

| Equipment Information | | | | |
|------------------------|-------------|---|--|--------------------------------------|
| HWMU/SWMU: | Dan Ca | Equip | ment ID: | Dam Cousite |
| Tank | ☐ Carbon S | Steel 🔲 Stainle | ess Steel 🔲 H | IDPE 🗖 Other: |
| Process Equipment | 5 Carbon S | Steel 🔲 Stainle | ess Steel 🚨 H | IDPE Other: |
| | | | | |
| | | TANK | XTERIOR | |
| Exterior Location #1 (| identify): | PISTOR | CHAMI | 342 |
| Observations: | | | | |
| Surface contaminati | on: 🗖 Yes 🗖 | No Staining: | ☐ Yes 🍇 No | Residues in cracks, pits: 🛘 Yes 🗖 No |
| Exterior Location #2 | identify): | PIST | on pol | |
| Observations: | | | | |
| Surface contaminati | on: 🖵 Yes 🗣 | No Staining: | ☐ Yes ÇKÑo | Residues in cracks, pits: 🛭 Yes 🛋 No |
| Exterior Location #3 | identify): | RECIE | Jejue 1 | BINL HOUSING |
| Observations: | | | | نو .: ا |
| Surface contaminati | on: 🛭 Yes 🗷 | No Staining: | ☐ Yes ☐ No | Residues in cracks, pits: 🗖 Yes 🖼 No |
| Remaining Exterior S | urfaces | ALL | | |
| Observations: | | • | | |
| Surface contaminati | on: 🛘 Yes 🗗 | No Staining: | ☐ Yes ☐ No | Residues in cracks, pits: ☐ Yes 爲ŶNo |
| | | | | |
| | | TANK | INTERIOR | |
| Interior Location #1 (| identify): | Dack | 1 conte | Lis |
| Observations: | | | | |
| Surface contaminati | on: 🛭 Yes 💃 | No Staining: | ☐ Yes ☐ No | Residues in cracks, pits: 🗖 Yes 🧖 No |
| Interior Location #2 (| identify): | Birl | FLORE | S |
| Observations: | - Justin | A Commence of the Commence of | The state of the s | |
| Surface contaminati | on: 🛭 Yes 🖫 | No Staining: | ☐ Yes ☑ No | Residues in cracks, pits: ☐ Yes 爲 No |
| Interior Location #3 (| identify): | | | |
| Observations: | | | | |
| Surface contaminati | on: 🛭 Yes 📮 | No Staining: | ☐ Yes ☐ No | Residues in cracks, pits: 🗖 Yes 📮 No |
| Remaining Interior Su | ırfaces | | | |
| Observations: | | , | **** | |
| Surface contaminati | on: 🛛 Yes 🚨 | No Staining: | ☐ Yes ☐ No | Residues in cracks, pits: 🗆 Yes 🚨 No |

VERIFICATION FORM FOR TANKS, VESSELS, AND MAJOR PROCESS EQUIPMENT CLEAN DEBRIS SURFACE STANDARD

| Equipment Information | | | | | | |
|--|---|---|--|---|---|---|
| HWMU/SWMU: | Dam cousines | Equipme | ent ID: | Dein | (Bus It & | |
| | | | | | | |
| | Verification Comments | | | | | |
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| 1,000 | | | | | | |
| | | | *** | | | |
| NOTES See Romic Southwest | : Closure SOP Section 6 | for guidar | nce. Attac | ch tank sketch if a | ppropriate. | |
| | Ve | erification | Results | | | ····· |
| | ∕ ∑ Pas | SS | | Fail | | |
| "Pass" indicates that each surface has passed visual inspection; that is, each surface, when viewed without magnification, free of all visible contaminated soil and hazardous waste except that residual staining from soil and waste consisting of light shadows, slight streaks, or minor discolorations, and soil and waste in cracks, crevices, and pits may be present provided the such staining and waste and soil in cracks, crevices, and pits shall be limited to no more than 5% of each square inch of surface. [ref 40 CFR 268.45 Table 1] | | | sting of light provided that | | | |
| | failed, Project Superinte | endent to | decide w | hether to repeat a | decontaminati | on |
| Repeat Decontamina | | | | se as hazardous w | | ☐ No |
| Project Superintende | nt Comments: | | | | | |
| | | | | | | |
| | intendent Certification | | | Project Manage | r Certification | |
| my direction or supervision. directly responsible for gath | nd all attachments were prepare Based on my inquiry of those tering the information, the info my knowledge and belief, true, a | e persons no formation a accurate, in in ir | my direction assure that information manage the information, | this document and all at or supervision in accord qualified personnel pro submitted. Based on r system and/or are direct the information is, to accurate, and complete. | dance with a syster operly gather and my inquiry of the otly responsible for | m designed to evaluate the persons who gathering the |
| MIL | E GOSCA | | į | Marthen | Diene | <u> </u> |
| Project Super | rintendent Printed Name | | | Project Manager | Printed Name | ************************************** |
| Ma | k Sylpe | | | M | | |
| Project Sup | perintendent Signature | | | Project Manage | er Signature | Production of the Production Control of |
| - sage - Standards | 3/15/09 | | | 3/18/ | 09 | |

| EQUIPMENT ID: | PIPIME AND | EQUIPMENTDATE: | 2-2-09 |
|---------------|------------|----------------|--------|
| HWMU/SWMU ID: | TANK FARM | _A | |

| SOP SECT.# | SOP STEP | COMPLETED (Y - N - N/A) |
|---------------|---|---|
| 3.1 | Decontamination pad was set up inside the existing West Bay process area. | ¥ |
| 3.2 | Equipment was monitored for vapors during disassembly. Gas meter reading: | · Land |
| 3.2 | If reading was greater than 10% LEL, equipment was vented or flushed out into a vacuum truck or directly to a holding tank until LEL falls below 10% LEL. | NA |
| 3.3 | Piping requiring cold cutting was purged with nitrogen at 15 psig. A 4-gas monitor was used at a downstream access point and monitored continuously during cutting to ensure less than 10% LEL. | NA |
| 3.3 | Plastic sheet drop barriers or metal wash racks were installed (if necessary). | 4 |
| 3.3 | Rinse tank, washing equipment and supplies, water source and washwater collection points were available. | |
| 3.3 | Ingress/egress was limited to a single ramp on the west end of the process area. | 4 |
| 3.3 | Emergency equipment and PPE decontamination stations were in place. | 4 |
| 3.4 | Removable waste solids or sludge (if any) found during disassembly was removed and transferred to a DOT container and characterized for proper disposal. | 4 |
| 3.5 | If needed, flushing irregular internal surfaces was performed with washwater or a sodium hydroxide solution. Solution used: | NA |
| 3.6 | Pre-soaking was performed with washwater. | <u> </u> |
| 3.7 | Draining of piping was conducted at the lowest point drain or pumping out of the equipment piece. Any free liquids were allowed to drain into a container or tray. | |
| 3.7 | Starting at the highest point in the overhead piping system, piping sections were unbolted at flange connections with each disconnected end covered with 6 ml plastic and taped to prevent incidental internal material leakage or release. | Y |
| 3.7 | Piping and equipment were broken down into sections or components at flanges, unions, or disconnection points. | 7 |
| 3.7 | Pumps and equipment having inaccessible interior spaces or voids were broken down such that all interior chambers and voids could be directly washed and rinsed. | 77-2-2-2-2-2-2-2-2-2-2-2-2-2-2-2-2-2-2- |
| 3.7 | Piping and equipment were placed into the prepared decontamination area where plastic ends will be removed. | Ч |
| 3.7 | Each pipe section was tilted on a temporary decon rack and external and internal surfaces were power washed. Equipment was positioned or broken down to allow for direct power washing and rinsing. | 4 |
| 3.7 | The containment sump was pumped out continuously to prevent accumulation of spent washwater. | i i |
| 3.7 | Spent washwater was transferred to temporary tank storage. | 4 |
| 3.8 | Each pipe section and equipment piece was submerged for at least 60 seconds in a rinse water tank filled with sufficient clean water to completely submerge all pieces. | y |
| 3.8 | A rinsate sample number was taken, and a sample number assigned (Appendix C). The same number was assigned to the batch of decontaminated items. | 4 |
| 3.8 | Spent rinseate was collected in a temporary storage tank. | 4 |
| 3.9 | Verification of successful decontamination was conducted in accordance with Section 7. | Ų, |

INSTRUCTIONS

Equipment IDs and HWMUs are found in Table SOP Appendix A (Inventory of Units and Equipment). Note any comments on the back of this form and reference the SOP Section #.

| EQUIPMENT ID: PIPIUL AND EQUI | NUMBATE: 2209 | | | |
|---|---|--|--|--|
| HWMU/SWMU ID: TANK PARK 4 | | | | |
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| SOP SECT. # | COMMENTS | | | |
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| I have completed this form based on my actions or observations, and attest that the information noted is true and accurate. | Based on my personal observations and/or inquiry of responsible individuals, I attest that this form was properly and accurately completed. | | | |
| | mike Sins | | | |
| Lead Technician Signature | Project Superintendent Signature | | | |
| | MIKE GAZSON | | | |
| Lead Technician Printed Name | Project Superintendent Printed Name | | | |
| 3/23/69 Date | 3 (24) 09 Date | | | |
| Date | Date | | | |

| Equipment Information | | | | | |
|--|--------------------|--|---------------------------------------|----------------------|-----------|
| HWMU/SWMU | ! TANK R | ARU A | | | |
| Piping | ⊠ Carbon St | ☑ Carbon Steel ☑ Stainless Steel ☐ HDPE ☐ Other: | | | |
| | Approx lengt | h 5 | -10 F | Avg nominal diameter | 23" |
| Pumps | Pumps | | | | |
| | Description: | D (A | OHRANL | | |
| Valves | ☐ Carbon S | eel 🛭 Stainle | ss Steel 🔲 HD | PE 🗖 Other: | |
| | Description: | 2-3 | | | |
| Small Equipme | nt Carbon S | eel 🔲 Stainle | ss Steel 🗖 HD | PE 🗖 Other: | |
| | Description: | MANIFE | ~ > | | |
| | | | | | |
| SAMPLE COLLECTION If analytical results are <i>not</i> available for the beginning rinsate for a batch, collect two sets of rinsate samples; one set before rinsing and one set after rinsing. Both sets must consist of all the containers listed below. If analytical results are available for the beginning rinsate, only the final samples are required. | | | | | |
| Sample Date a | nd Time: | | | | |
| Samples: | 3 x 40-ml VOA vi | als, no head spa | ce: | ₽ Yes | ☐ No |
| | Two 1-liter ambe | | | ₩ Yes | ☐ No |
| | One 1-liter HDPE | bottle, nitric ac | id added to pH | < 2: 2 Yes | □ No |
| | Other, describe: | | | | |
| Measure pH ar | d record result: | Rinsate sample | e before rinsing | : g Final rinsate | sample: 🧬 |
| Method used: | | ☐ pH meter | ☑ pH paper 〔 |] Other: | |
| If pH meter, sp model: | ecify make and | | | | |
| Record calibration results: | | | | | |
| Complete chain-of-custody form, specifying analysis for VOC (EPA Method 8260), SVOC (EPA Method 8270), and metals including mercury (EPA Methods 6010 and 7471). Pack samples in ice for transport to Lab. | | | | | |
| Date samples s | | | · · · · · · · · · · · · · · · · · · · | | - |
| | | 2.11 | -09 431 | 10109 | |
| Laboratory Name: 785T AMERICA | | | | | |

| Equipment Information | | | |
|--|--|--|--|
| HWMU/SWMU: TANK THEM A | | | |
| | | | |
| Analytic | al Results | | |
| Analytical reports reviewed, data quality acceptable | for project decisionmaking: 🚨 Yes 🚨 No | | |
| ASHOK JAW | Asha Jam | | |
| Project QA Manager Name | Project QA Managér Signature | | |
| Analytical data quality reviewed on (date): $\frac{3}{2}$ | | | |
| Data quality issues identified: ملمك عام المالية | is ek. | | |
| vec > | | | |
| NOTES See Romic Southwest Closure SOP Section 7 for guidance. | | | |
| Verificati | on Results | | |
| Pass | ☐ Fail | | |
| "Pass" indicates that the Project Superintendent has evaluated there was no net increase in contaminants of concern in the fin | the analytical results from rinsate sampling and determined that al rinsate sample as compared to a beginning rinsate sample. | | |
| If equipment failed, Project Superintendent (| to decide whether to repeat decontamination | | |
| Repeat Decontamination? 🗷 Yes 🔲 No | Dispose as hazardous waste? 🗖 Yes 🚨 No | | |
| Project Superintendent Comments: | oun FALURE RESPONT DOCUM. | | |
| | | | |
| Project Superintendent Certification | Project Manager Certification | | |
| I certify that this document and all attachments were prepared under my direction or supervision. Based on my inquiry of those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. | I certify that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the persons who manage the system and/or are directly responsible for gathering the information, the information is, to the best of my knowledge and belief, true, accurate, and complete. | | |
| MIKE Girson Matthew Dunn | | | |
| Project Superintendent Printed Name | Project Manager Printed Name | | |
| mike Sine | CAL D | | |
| Project Superintendent signature | Project Manager Signature | | |
| 3/24/09 | 3/25/09 | | |
| Date | Date | | |

| EQUIPMENT ID: _ | PIPING HED EDLIPHENT | DATE: _ | 2-2-07 | |
|-----------------|----------------------|---------|--------|--|
| HWMU/SWMU ID: | TAME GARGE B | | | |

| SOP SECT.# | SOP STEP | COMPLETED (Y - N - N/A) |
|---------------|---|----------------------------|
| 3.1 | Decontamination pad was set up inside the existing West Bay process area. | 4 |
| 3.2 | Equipment was monitored for vapors during disassembly. Gas meter reading: < 160 >0 >>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>> | Ÿ |
| 3.2 | If reading was greater than 10% LEL, equipment was vented or flushed out into a vacuum truck or directly to a holding tank until LEL falls below 10% LEL. | nt |
| 3.3 | Piping requiring cold cutting was purged with nitrogen at 15 psig. A 4-gas monitor was used at a downstream access point and monitored continuously during cutting to ensure less than 10% LEL. | nA |
| 3.3 | Plastic sheet drop barriers or metal wash racks were installed (if necessary). | iq |
| 3.3 | Rinse tank, washing equipment and supplies, water source and washwater collection points were available. | 4 |
| 3.3 | Ingress/egress was limited to a single ramp on the west end of the process area. | t _y . |
| 3.3 | Emergency equipment and PPE decontamination stations were in place. | €° |
| 3.4 | Removable waste solids or sludge (if any) found during disassembly was removed and transferred to a DOT container and characterized for proper disposal. | Y |
| 3.5 | If needed, flushing irregular internal surfaces was performed with washwater or a sodium hydroxide solution. Solution used: | NA |
| 3.6 | Pre-soaking was performed with washwater. | Υ |
| 3.7 | Draining of piping was conducted at the lowest point drain or pumping out of the equipment piece. Any free liquids were allowed to drain into a container or tray. | 4 |
| 3.7 | Starting at the highest point in the overhead piping system, piping sections were unbolted at flange connections with each disconnected end covered with 6 ml plastic and taped to prevent incidental internal material leakage or release. | 1 |
| 3.7 | Piping and equipment were broken down into sections or components at flanges, unions, or disconnection points. | Y |
| 3.7 | Pumps and equipment having inaccessible interior spaces or voids were broken down such that all interior chambers and voids could be directly washed and rinsed. | \ |
| 3.7 | Piping and equipment were placed into the prepared decontamination area where plastic ends will be removed. | Ę. |
| 3.7 | Each pipe section was tilted on a temporary decon rack and external and internal surfaces were power washed. Equipment was positioned or broken down to allow for direct power washing and rinsing. | Y |
| 3.7 | The containment sump was pumped out continuously to prevent accumulation of spent washwater. | · · |
| 3.7 | Spent washwater was transferred to temporary tank storage. | 14 |
| 3.8 | Each pipe section and equipment piece was submerged for at least 60 seconds in a rinse water tank filled with sufficient clean water to completely submerge all pieces. | t |
| 3.8 | A rinsate sample number was taken, and a sample number assigned (Appendix C). The same number was assigned to the batch of decontaminated items. | į |
| 3.8 | Spent rinseate was collected in a temporary storage tank. | Y |
| 3.9 | Verification of successful decontamination was conducted in accordance with Section 7. | 4 |

INSTRUCTIONS

Equipment IDs and HWMUs are found in Table SOP Appendix A (Inventory of Units and Equipment). Note any comments on the back of this form and reference the SOP Section #.

| EQUIPMENT ID: Profine + Square | DATE: |
|---|---|
| HWMU/SWMU ID: TANK TARK B | |
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| SOP SECT. # | COMMENTS |
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| I have completed this form based on my actions or | Based on my personal observations and/or inquiry of |
| observations, and attest that the information noted is true and accurate. | responsible individuals, I attest that this form was properly and accurately completed. |
| and accurate. | properly and accurately completed. |
| | Mileston |
| Lead Technician Signature | Project Superintendent Signature |
| | Selection of the selection of |
| Lead Technician Printed Name | Project Superintendent Printed Name |
| 6 | r roject Supermendent r miled Warte |
| 3123/09 | 3/24/29 Date |
| Date | Date |

| Equipment Information | | | | | |
|---|---|---------------------------|---------------|-----------------|----------|
| HWMU/SWMU | TANK FA | em B | | | |
| Piping | ☐ Carbon St | eel Stainless Steel | ☐ HDPE ☐ O | ther: | |
| | Approx lengt | h 5-10' | Avg nor | ninal diameter | 23" |
| Pumps | Carbon Steel Stainless Steel THDPE TO Other: Aluminum | | | | |
| | Description: | DIA PHOAM | u | | |
| Valves | ☐ Carbon St | eel 🛂 Stainless Steel | ☐ HDPE ☐ O | ther: | |
| | Description: | ALLIEF UML |) E | | |
| Small Equipmer | nt 🛮 🖾 Carbon St | eel 🔲 Stainless Steel | ☐ HDPE ☐ O | ther: | |
| | Description: | MANIFOR | > | | |
| | | | | | |
| SAMPLE COLLECTION If analytical results are not available for the beginning rinsate for a batch, collect two sets of rinsate samples; one set before rinsing and one set after rinsing. Both sets must consist of all the containers listed below. If analytical results are available for the beginning rinsate, only the final samples are required. | | | | | |
| Sample Date an | d Time: | | | | |
| Samples: | 3 x 40-ml VOA via | ils, no head space: | | ≱ Yes | ☐ No |
| | Two 1-liter ambe | r glass bottles: | | 🞾 Yes | ☐ No |
| | | bottle, nitric acid added | d to pH < 2: | ∠ Yes | □ No |
| | Other, describe: | | | | |
| Measure pH an | d record result: | Rinsate sample before | rinsing: | Final rinsate s | ample: 🎸 |
| Method used: | | ☐ pH meter ☐ pH pa | aper 🚨 Other: | | |
| If pH meter, spe model: | ecify make and | | | | |
| Record calibration results: | | | | | |
| Complete chain-of-custody form, specifying analysis for VOC (EPA Method 8260), SVOC (EPA Method 8270), and metals including mercury (EPA Methods 6010 and 7471). Pack samples in ice for transport to Lab. | | | | | |
| Date samples sent to Lab: $2 - 10 \circ 9 + 3 / n / 69$ Laboratory Name: | | | 9 | | |
| Laboratory Nam | ne: | Test. | MERICO | C | |

| Equipment Information | | | |
|---|---|--|--|
| HWMU/SWMU: TANK FARENT B | | | |
| | | | |
| Analytic | al Results | | |
| Analytical reports reviewed, data quality acceptable | | | |
| * | 1 8 . | | |
| A SHOTE JAW | Asha gain | | |
| Project QA Manager Name | Project QA Manager Signature | | |
| Analytical data quality reviewed on (date): | د د | | |
| 3/29 | | | |
| Data quality issues identified: ा निकट ड ी | <u> </u> | | |
| vee's | | | |
| VCC 3 | | | |
| NOTES | | | |
| See Romic Southwest Closure SOP Section 7 for guid | ance | | |
| des trems seath the seather than a seather than a | | | |
| Verificati | on Results | | |
| | ⊠ Fail | | |
| Pass Fail | | | |
| | the analytical results from rinsate sampling and determined that | | |
| there was no net increase in contaminants of concern in the fina | al rinsate sample as compared to a beginning rinsate sample. | | |
| lf equipment failed, Project Superintendent t | o decide whether to repeat decontamination | | |
| Repeat Decontamination? 🗗 Yes 🔲 No | Dispose as hazardous waste? 🔼 Yes 🔲 No | | |
| Project Superintendent Comments: | et Dear as Before | | |
| | | | |
| | | | |
| | | | |
| Project Superintendent Certification | Project Manager Certification | | |
| I certify that this document and all attachments were prepared under | I certify that this document and all attachments were prepared under | | |
| my direction or supervision. Based on my inquiry of those persons directly responsible for gathering the information, the information | my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the | | |
| submitted is, to the best of my knowledge and belief, true, accurate, | information submitted. Based on my inquiry of the persons who | | |
| and complete. | manage the system and/or are directly responsible for gathering the | | |
| | information, the information is, to the best of my knowledge and | | |
| | belief, true, accurate, and complete. | | |
| MIKE GIPSON | Matthew Durin | | |
| Project Superintendent Printed Name | Project Manager Printed Name | | |
| 4 | A Commence of the Commence of | | |
| White Soften | CM - | | |
| Project Superintendent Signature | Project Manager Signature | | |
| 2 in it is | 2/2-1 | | |
| 3124/09 | 3/63/09 | | |
| Date | l Date | | |

| EQUIPMENT ID: | PIPING-AND ECC.P. WO.TT | DATE: | 2/11/09 |
|---------------|-------------------------|-------|---------|
| HWMU/SWMU ID | : TAME PAPILLE | | |

| SOP SECT.# | SOP STEP | COMPLETED (Y - N - N/A) |
|---------------|---|----------------------------|
| 3.1 | Decontamination pad was set up inside the existing West Bay process area. | 4 |
| 3.2 | Equipment was monitored for vapors during disassembly. Gas meter reading: | 4 |
| 3.2 | If reading was greater than 10% LEL, equipment was vented or flushed out into a vacuum truck or directly to a holding tank until LEL falls below 10% LEL. | 11.+ |
| 3.3 | Piping requiring cold cutting was purged with nitrogen at 15 psig. A 4-gas monitor was used at a downstream access point and monitored continuously during cutting to ensure less than 10% LEL. | иА |
| 3.3 | Plastic sheet drop barriers or metal wash racks were installed (if necessary). | 4 |
| 3.3 | Rinse tank, washing equipment and supplies, water source and washwater collection points were available. | 4 |
| 3.3 | Ingress/egress was limited to a single ramp on the west end of the process area. | 4 |
| 3.3 | Emergency equipment and PPE decontamination stations were in place. | <u> </u> |
| 3.4 | Removable waste solids or sludge (if any) found during disassembly was removed and transferred to a DOT container and characterized for proper disposal. | i i |
| 3.5 | If needed, flushing irregular internal surfaces was performed with washwater or a sodium hydroxide solution. Solution used: | MA |
| 3.6 | Pre-soaking was performed with washwater. | i i |
| 3.7 | Draining of piping was conducted at the lowest point drain or pumping out of the equipment piece. Any free liquids were allowed to drain into a container or tray. | No. |
| 3.7 | Starting at the highest point in the overhead piping system, piping sections were unbolted at flange connections with each disconnected end covered with 6 ml plastic and taped to prevent incidental internal material leakage or release. | 4 |
| 3.7 | Piping and equipment were broken down into sections or components at flanges, unions, or disconnection points. | 4 |
| 3.7 | Pumps and equipment having inaccessible interior spaces or voids were broken down such that all interior chambers and voids could be directly washed and rinsed. | Y |
| 3.7 | Piping and equipment were placed into the prepared decontamination area where plastic ends will be removed. | Y |
| 3.7 | Each pipe section was tilted on a temporary decon rack and external and internal surfaces were power washed. Equipment was positioned or broken down to allow for direct power washing and rinsing. | 4 |
| 3.7 | The containment sump was pumped out continuously to prevent accumulation of spent washwater. | \ |
| 3.7 | Spent washwater was transferred to temporary tank storage. | Y |
| 3.8 | Each pipe section and equipment piece was submerged for at least 60 seconds in a rinse water tank filled with sufficient clean water to completely submerge all pieces. | ý. |
| 3.8 | A rinsate sample number was taken, and a sample number assigned (Appendix C). The same number was assigned to the batch of decontaminated items. | 4 |
| 3.8 | Spent rinseate was collected in a temporary storage tank. | Y. |
| 3.9 | Verification of successful decontamination was conducted in accordance with Section 7. | 7 |

INSTRUCTIONS:

Equipment IDs and HWMUs are found in Table SOP Appendix A (Inventory of Units and Equipment). Note any comments on the back of this form and reference the SOP Section #.

| EQUIPMENT ID: PIPINE + COURSE | DATE: 2/11/09 |
|---|---|
| HWMU/SWMU ID: TANK FARM C | |
| | |
| | |
| COD CECT # | COMMENTO |
| SOP SECT. # | COMMENTS |
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| I have completed this form based on my actions or | |
| observations, and attest that the information noted is true and accurate. | responsible individuals, I attest that this form was properly and accurately completed. |
| | |
| | Mill Shar |
| Lead Technician Signature | Project Superintendent Signature |
| | MA LAND A SAME |
| Lead Technician Printed Name | Mille Garage |
| Leau recinician runteu name | Project Superintendent Printed Name |
| Biolog | 3/11/14 |
| 3/10/09 Date | Date |

| | | Equipment | Information | | | |
|--------------------------------------|---------------------|--------------------------------|--------------------|--|-----------------------|--|
| HWMU/SWML | 1: TOMK | FARM C | | | | |
| Piping | ☐ Carbon S | teel 🔼 Stainless S | Steel 🗖 HDPE | Other: | | |
| | Approx lengt | :h | А | lvg nominal diameter | | |
| Pumps | ☐ Carbon S | teel 🔲 Stainless : | Steel HDPE | E Other: 44.00 | e et his a militaria. | |
| | Description: | DUAPHRA | DUPHER | | | |
| Valves | ☐ Carbon S | teel 🛮 Stainless : | Steel HDPE | E 🗖 Other: | : | |
| | Description: | | | | | |
| Small Equipme | nt 🛮 Carbon S | teel | Steel HDPE | Other: | | |
| | Description: | MANIFOL | 22 | | | |
| | | | | | | |
| set before rinsin | g and one set after | for the beginning ri | ust consist of all | h, collect two sets of rin I the containers listed b required. | | |
| Sample Date a | nd Time: | | | | | |
| Samples: | 3 x 40-ml VOA vi | als, no head space: | | y Yes y | □ No | |
| | Two 1-liter ambe | | | Yes | □ No | |
| | | | | □ No | | |
| | Other, describe: | | | | | |
| Measure pH ar | d record result: | Rinsate sample b | efore rinsing: | S Final rinsate | sample: 5 | |
| Method used: | | □ pH meter ☑ pH paper □ Other: | | | | |
| If pH meter, specify make and model: | | | | | | |
| Record calibration results: | | | | | | |
| , | • | | | od 8260), SVOC (EPA Met n ice for transport to Lab | | |
| Date samples sent to Lab: | | | | | | |
| | | TOST AMERICA | | | | |
| Laboratory Name: | | 2-1 | 0.09 /3 | 5-10-47 | | |

| Equipment Information | | | | |
|--|--|--|--|--|
| HWMU/SWMU: | | | | |
| Angliti | od Posuite | | | |
| | al Results for project decisionmaking: | | | |
| Analytical reports reviewed, data quality acceptable | T | | | |
| ASHOR JAW | John Jam | | | |
| Project QA Manager Name | Project QA Manager Signature | | | |
| Analytical data quality reviewed on (date): | 197 | | | |
| Data quality issues identified: ON OR ONE | lety is execuptable. | | | |
| NOTES See Romic Southwest Closure SOP Section 7 for guidance. | | | | |
| Verificati | ion Results | | | |
| ✓ Pass | ☐ Fail | | | |
| "Pass" indicates that the Project Superintendent has evaluated the analytical results from rinsate sampling and determined that there was no net increase in contaminants of concern in the final rinsate sample as compared to a beginning rinsate sample. | | | | |
| | to decide whether to repeat decontamination | | | |
| Repeat Decontamination? | Dispose as hazardous waste? Yes No | | | |
| Project Superintendent Comments: | T Start Down parcolaces. | | | |
| | | | | |
| Project Superintendent Certification | Project Manager Certification | | | |
| I certify that this document and all attachments were prepared under my direction or supervision. Based on my inquiry of those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. | I certify that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the persons who manage the system and/or are directly responsible for gathering the information, the information is, to the best of my knowledge and belief, true, accurate, and complete. | | | |
| Mile Coffa | Matthew June | | | |
| Project Superintendent Printed Name | Project Manager Printed Name | | | |
| wartle Ann | ahk - | | | |
| Project Superintendent Signature | Project Manager Signature | | | |
| 3/11/09 | 3/12/09 | | | |
| Date | Date | | | |

| EQUIPMENT ID: PIPING + Equipment | DATE: _ | 3/10/09 |
|----------------------------------|---------|---------|
| HWMU/SWMUID: TIME FREM IS | | |

| SOP SECT.# | SOP STEP | COMPLETED (Y - N - N/A) |
|---------------|--|--|
| 3.1 | Decontamination pad was set up inside the existing West Bay process area. | Ч |
| 3.2 | | |
| | Gas meter reading: | 4 |
| 3.2 | If reading was greater than 10% LEL, equipment was vented or flushed out into a | |
| | vacuum truck or directly to a holding tank until LEL falls below 10% LEL. | NA |
| 3.3 | Piping requiring cold cutting was purged with nitrogen at 15 psig. A 4-gas monitor | |
| | was used at a downstream access point and monitored continuously during cutting | *** |
| | to ensure less than 10% LEL. | W |
| 3.3 | Plastic sheet drop barriers or metal wash racks were installed (if necessary). | WA |
| 3.3 | Rinse tank, washing equipment and supplies, water source and washwater | |
| | collection points were available. | 4 |
| 3.3 | Ingress/egress was limited to a single ramp on the west end of the process area. | 4 |
| 3.3 | Emergency equipment and PPE decontamination stations were in place. | 4 |
| 3.4 | Removable waste solids or sludge (if any) found during disassembly was removed | |
| | and transferred to a DOT container and characterized for proper disposal. | 7 |
| 3.5 | If needed, flushing irregular internal surfaces was performed with washwater or a | |
| | sodium hydroxide solution. Solution used: | e1/4 |
| 3.6 | Pre-soaking was performed with washwater. | VI |
| 3.7 | Draining of piping was conducted at the lowest point drain or pumping out of the | |
| | equipment piece. Any free liquids were allowed to drain into a container or tray. | 9 |
| 3.7 | Starting at the highest point in the overhead piping system, piping sections were | |
| | unbolted at flange connections with each disconnected end covered with 6 ml | 1 |
| | plastic and taped to prevent incidental internal material leakage or release. | <u> </u> |
| 3.7 | Piping and equipment were broken down into sections or components at flanges, | L |
| | unions, or disconnection points. | 1 |
| 3.7 | Pumps and equipment having inaccessible interior spaces or voids were broken | |
| | down such that all interior chambers and voids could be directly washed and | - |
| | rinsed. | |
| 3.7 | Piping and equipment were placed into the prepared decontamination area where | MALTINE |
| | plastic ends will be removed. | MYDISPISE |
| 3.7 | Each pipe section was tilted on a temporary decon rack and external and internal | <u> </u> |
| | surfaces were power washed. Equipment was positioned or broken down to allow | |
| 0.7 | for direct power washing and rinsing. | |
| 3.7 | The containment sump was pumped out continuously to prevent accumulation of | / |
| | spent washwater. | |
| 3.7 | Spent washwater was transferred to temporary tank storage. | |
| 3.8 | Each pipe section and equipment piece was submerged for at least 60 seconds in | |
| | a rinse water tank filled with sufficient clean water to completely submerge all | |
| 2.0 | pieces. | |
| 3.8 | A rinsate sample number was taken, and a sample number assigned (Appendix | |
| 2.0 | C). The same number was assigned to the batch of decontaminated items. | |
| 3.8 | Spent rinseate was collected in a temporary storage tank. | |
| 3.9 | Verification of successful decontamination was conducted in accordance with Section 7. | W |

INSTRUCTIONS:

Equipment IDs and HWMUs are found in Table SOP Appendix A (Inventory of Units and Equipment). Note any comments on the back of this form and reference the SOP Section #.

pumps only

| EQUIPMENT I | D: | DATE: | 3/10/09 | | |
|---------------------------|---|-----------|--|--|--|
| HWMU/SWMU ID: | | | | | |
| | | | | | |
| _ 00D 0F0T # | | 001115150 | | | |
| SOP SECT. # | | COMMENTS | | | |
| 3-1 | 2 pumps (Alien | innin) De | Corres | | |
| | 2 pamps (Acum | - (pve) | disposed of | | |
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| | this form based on my actions or ttest that the information noted is true | | sonal observations and/or inquiry of duals, I attest that this form was ately completed. | | |
| | | 7/ | What I | | |
| Lead Technician Signature | | Projec | t Superintendent Signature | | |
| | | M | THE GIRSON | | |
| Lead | Technician Printed Name | Project S | Superintendent Printed Name | | |
| | 3/11/19 | | 3/24/09 | | |
| | Date | | Date | | |

| Equipment Information | | | | | | | |
|---|------------------|--------------------------------------|-----------|---------------|--|--------------------|-----------|
| HWMU/SWMU | TAN | n FAOM | 0 | | Pumi | > 5 | |
| Piping | Carbon St | eel 🚨 Stainle | ess Steel | ☐ HDI | PE 🔲 Oti | her: | |
| | Approx lengt | h | | | Avg nom | inal diameter | |
| Pumps | Carbon St | eel 🔲 Stainl | ess Steel | □ YHDI | PE 🗵 Ot | her: <u>Access</u> | (Vititori |
| Description: (A7) A72/m_ | | | | | | | |
| Valves | ☐ Carbon St | eel 🔲 Stainl | ess Steel | ☐ HDI | PE 🗖 Ot | her: | |
| Description: | | | | | | | |
| Small Equipmer | nt Carbon St | eel 🚨 Stainl | ess Steel | ☐ HDI | PE 🚨 Ot | her: | |
| | Description: | | | | | | |
| | | | | | | | |
| SAMPLE COLLECTION If analytical results are not available for the beginning rinsate for a batch, collect two sets of rinsate samples; set before rinsing and one set after rinsing. Both sets must consist of all the containers listed below. If analytical results are available for the beginning rinsate, only the final samples are required. | | | | | sate samples; one elow. If analytical | | |
| Sample Date and Time: | | | | | | | |
| Samples: 3 x 40-ml VOA via | | als, no head sp | ace: | | | 😡 Yes | ☐ No |
| | Two 1-liter ambe | r glass bottles: | | | | Ç ¥′Yes | ☐ No |
| | | bottle, nitric acid added to pH < 2: | | < 2: | ¥Yes | ☐ No | |
| | Other, describe: | | | | | | |
| Measure pH an | d record result: | Rinsate samp | le before | rinsing: | : g- | Final rinsate s | ample: 5 |
| Method used: | | □ pH meter □ pH paper □ Other: | | | | | |
| If pH meter, specify make and model: | | | | | | | |
| Record calibration results: | | | | | | | |
| Complete chain-of-custody form, specifying analysis for VOC (EPA Method 8260), SVOC (EPA Method 8270), and metals including mercury (EPA Methods 6010 and 7471). Pack samples in ice for transport to Lab. | | | | | | | |
| Date samples sent to Lab: | | | | | | | |
| Laboratory Nan | ne: | 3/11/09 Test America | | | | | |

| Equipment Information | | | | |
|--|---|--|--|--|
| HWMU/SWMU: FAMIL FARILL D | PumPS | | | |
| Analytica | al Results | | | |
| Analytical reports reviewed, data quality acceptable | | | | |
| ASHOK JAIN | Asha gain | | | |
| Project QA Manager Name | Project QA Manager Signature | | | |
| Analytical data quality reviewed on (date): | e 9 | | | |
| Data quality issues identified: Collection 15 52 | A occeptable | | | |
| TESTING FATTER | | | | |
| NOTES See Romic Southwest Closure SOP Section 7 for guide | ance. | | | |
| Verification | on Results | | | |
| → Pass | ☑ Fail | | | |
| "Pass" indicates that the Project Superintendent has evaluated the analytical results from rinsate sampling and determined that there was no net increase in contaminants of concern in the final rinsate sample as compared to a beginning rinsate sample. | | | | |
| If equipment failed, Project Superintendent t | o decide whether to repeat decontamination | | | |
| Repeat Decontamination? Yes No | Dispose as hazardous waste? 🛭 Yes 🚨 No | | | |
| Project Superintendent Comments: | | | | |
| | | | | |
| Project Superintendent Certification | Project Manager Certification | | | |
| I certify that this document and all attachments were prepared under my direction or supervision. Based on my inquiry of those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. | my direction or supervision in accordance with a system designed to | | | |
| MIKE GIPSON | matthew Drune | | | |
| Project Superintendent Printed Mame | Project Manager Printed Name | | | |
| male Sin | M. D. | | | |
| Project Superintendent Signature | Project Manager Signature | | | |
| 3/24/09 | 3/25/05 | | | |
| Date | Date | | | |

| EQUIPMENT ID: Popular + Equipment | DATE: 2/18/09 |
|-----------------------------------|---------------|
| HWMU/SWMU ID: おきられる | |

| SOP SECT.# | SOP STEP | COMPLETED (Y - N - N/A) |
|---------------|---|----------------------------|
| 3.1 | Decontamination pad was set up inside the existing West Bay process area. | 4 |
| 3.2 | Equipment was monitored for vapors during disassembly. Gas meter reading: | 4 |
| 3.2 | If reading was greater than 10% LEL, equipment was vented or flushed out into a vacuum truck or directly to a holding tank until LEL falls below 10% LEL. | nA |
| 3.3 | Piping requiring cold cutting was purged with nitrogen at 15 psig. A 4-gas monitor was used at a downstream access point and monitored continuously during cutting to ensure less than 10% LEL. | DA. |
| 3.3 | Plastic sheet drop barriers or metal wash racks were installed (if necessary). | 4 |
| 3.3 | Rinse tank, washing equipment and supplies, water source and washwater collection points were available. | ę: |
| 3.3 | Ingress/egress was limited to a single ramp on the west end of the process area. | ۲ |
| 3.3 | Emergency equipment and PPE decontamination stations were in place. | <u> </u> |
| 3.4 | Removable waste solids or sludge (if any) found during disassembly was removed and transferred to a DOT container and characterized for proper disposal. | 7 |
| 3.5 | If needed, flushing irregular internal surfaces was performed with washwater or a sodium hydroxide solution. Solution used: | M |
| 3.6 | Pre-soaking was performed with washwater. | 47 |
| 3.7 | Draining of piping was conducted at the lowest point drain or pumping out of the equipment piece. Any free liquids were allowed to drain into a container or tray. | t. |
| 3.7 | Starting at the highest point in the overhead piping system, piping sections were unbolted at flange connections with each disconnected end covered with 6 ml plastic and taped to prevent incidental internal material leakage or release. | ų |
| 3.7 | Piping and equipment were broken down into sections or components at flanges, unions, or disconnection points. | 4 |
| 3.7 | Pumps and equipment having inaccessible interior spaces or voids were broken down such that all interior chambers and voids could be directly washed and rinsed. | t. |
| 3.7 | Piping and equipment were placed into the prepared decontamination area where plastic ends will be removed. | Y |
| 3.7 | Each pipe section was tilted on a temporary decon rack and external and internal surfaces were power washed. Equipment was positioned or broken down to allow for direct power washing and rinsing. | 7 |
| 3.7 | The containment sump was pumped out continuously to prevent accumulation of spent washwater. | Y |
| 3.7 | Spent washwater was transferred to temporary tank storage. | |
| 3.8 | Each pipe section and equipment piece was submerged for at least 60 seconds in a rinse water tank filled with sufficient clean water to completely submerge all pieces. | ů, |
| 3.8 | A rinsate sample number was taken, and a sample number assigned (Appendix C). The same number was assigned to the batch of decontaminated items. | Y |
| 3.8 | Spent rinseate was collected in a temporary storage tank. | Na. A |
| 3.9 | Verification of successful decontamination was conducted in accordance with Section 7. | £ |

INSTRUCTIONS:

Equipment IDs and HWMUs are found in Table SOP Appendix A (Inventory of Units and Equipment). Note any comments on the back of this form and reference the SOP Section #.

| EQUIPMENT | ID: PIPING MAD MAL | DATE: <u>2/18/09</u> |
|--|--|---|
| HWMU/SWMI | JID: 🤫 | • |
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| SOP SECT. # | | COMMENTS |
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| The state of the s | | |
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| | | |
| I have completed observations, and a accurate. | this form based on my actions or attest that the information noted is true | Based on my personal observations and/or inquiry of responsible individuals, I attest that this form was properly and accurately completed. |
| | | miles In |
| Lea | ad Technician Signature | Project Superintendent Signature |
| | | mike Gieson |
| Lead | Technician Printed Name | Project Superintendent Printed Name |
| | 3/25/09 | 3/26/09 |
| | Date | Data |

| Equipment Information | | | | | | |
|--|---|---|-------------------------|--|--|--|
| HWMU/SWMU | J: PIPE B | MAIDRE AND RAIL | | | | |
| Piping | ☑ Carbon S | Steel Stainless Steel HDPE | Other: | | | |
| | Approx leng | th 5-10 Avgn | nominal diameter 2-3" | | | |
| Pumps | ☐ Carbon S | Steel Stainless Steel HDPE | Other: | | | |
| | Description: | | | | | |
| Valves | ☐ Carbon S | Steel | Other: | | | |
| | Description: | | | | | |
| Small Equipme | nt Carbon S | iteel Stainless Steel HDPE | Other: | | | |
| | Description: | | | | | |
| T | | CAMPLE COLLECTION | | | | |
| set before rinsir | SAMPLE COLLECTION If analytical results are not available for the beginning rinsate for a batch, collect two sets of rinsate samples; one set before rinsing and one set after rinsing. Both sets must consist of all the containers listed below. If analytical results are available for the beginning rinsate, only the final samples are required. | | | | | |
| Sample Date a | nd Time: | | | | | |
| Samples: | 3 x 40-ml VOA vi | ials, no head space: | 🥦 Yes 🚨 No | | | |
| | Two 1-liter ambe | er glass bottles: | Ç Yes ☐ No | | | |
| | One 1-liter HDPE | E bottle, nitric acid added to pH < 2: | Ø Yes ☐ No | | | |
| | Other, describe: | | | | | |
| Measure pH ar | nd record result: | Rinsate sample before rinsing: ${\cal S}$ | Final rinsate sample: 5 | | | |
| Method used: | | □ pH meter □ pH paper □ Other: | | | | |
| If pH meter, specify make and model: | | | | | | |
| Record calibrat | Record calibration results: | | | | | |
| Complete chain-of-custody form, specifying analysis for VOC (EPA Method 8260), SVOC (EPA Method 8270), and | | | | | | |
| | metals including mercury (EPA Methods 6010 and 7471). Pack samples in ice for transport to Lab. | | | | | |
| Date samples sent to Lab: 2 /18/09 + 3/12/09 | | | | | | |
| 2/18/09 + 3/12/09 Laboratory Name: 1657 MYFACC | | | | | | |

| Equipment Information | | | | | | |
|--|--|--|--|--|--|--|
| HWMU/SWMU: PIPE BRIDGE MID RAIL | | | | | | |
| | | | | | | |
| | al Results | | | | | |
| Analytical reports reviewed, data quality acceptable | for project decisionmaking: 🔀 Yes 🚨 No | | | | | |
| A SHOR JAIN | Ashn gair | | | | | |
| Project QA Manager Name | Project QA Manager Signature | | | | | |
| Analytical data quality reviewed on (date): 3 27 Data quality issues identified: OA (3 c / s) | 159 | | | | | |
| Data quality issues identified: | cceptable | | | | | |
| | 1 | | | | | |
| | | | | | | |
| NOTES See Romic Southwest Closure SOP Section 7 for guid | ance. | | | | | |
| Verification | on Results | | | | | |
| ⊠ Pass | ☐ Fail | | | | | |
| "Pass" indicates that the Project Superintendent has evaluated there was no net increase in contaminants of concern in the final | | | | | | |
| If equipment failed, Project Superintendent t | If equipment failed, Project Superintendent to decide whether to repeat decontamination | | | | | |
| Repeat Decontamination? ☐ Yes ☐ No ☐ Dispose as hazardous waste? ☐ Yes ☐ No | | | | | | |
| Project Superintendent Comments: | | | | | | |
| | | | | | | |
| Project Superintendent Certification | Project Manager Certification | | | | | |
| I certify that this document and all attachments were prepared under my direction or supervision. Based on my inquiry of those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. | I certify that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the persons who manage the system and/or are directly responsible for gathering the information, the information is, to the best of my knowledge and belief, true, accurate, and complete. | | | | | |
| MIKE GARSON | Matthew Dune | | | | | |
| Project Superintendent Printed Name | Project Manager Printed Name | | | | | |
| Mike Lype | (The) | | | | | |
| Project Superintendent Signature | Project Manager Signature | | | | | |
| 3/26/09 | 3/27/09 | | | | | |
| Date | Date | | | | | |

CHECKLIST DECONTAMINATION OF CONCRETE STRUCTURES

| | | 1 May 3 Mg | | |
|------------|------------|------------|---------|---------|
| HWMU/SWMU: | DMK FARM A | PAD | DATE: _ | 3/10/09 |

| SOP SECT.# | SOP STEP | COMPLETED (Y - N - N/A) |
|---------------|---|----------------------------|
| 4.1 | A visual inspection of concrete surfaces to include sumps, floors, walls and berms was made to ascertain the safest and most effective decontamination approach. | 4 |
| 4.1 | Concrete surfaces and epoxy coatings were inspected for cracks, gaps, peeling, bubbles, or other major structural defects prior to decontamination to determine potential subsurface soil sampling locations. | t |
| 4.1 | Any cracks that were observed to extend through the entire thickness of the concrete slab were sealed using non-toxic caulking. | NA |
| 4.1 | Gradients and slope were considered when determining where to allow washwater to flow for collection. | ŧ, |
| 4.2 | Metallic or non porous items that would interfere with decontamination were disassembled. They were either placed into containers for decontamination as miscellaneous equipment or disposed as hazardous waste. | ¥ |
| 4.2 | For concrete pads where curbing is not present, a temporary water proof berming material was installed. | nA |
| 4.2 | Spray barriers or protective sheeting were installed (if there is a possibility of overspray beyond the containment area). | Y |
| 4.2 | Washing equipment and supplies, water sources and washwater collection points were available. | ¥ |
| 4.2 | Ingress and egress were limited to a single retaining wall stair well or ladder. | 4 |
| 4.2 | Emergency equipment and PPE decontamination stations were in place. | 4 |
| 4.2 | Transfer and containment of spent washwater were in place. | Y |
| 4.3 | All debris and loose dirt were swept up and placed into containers for disposal as hazardous waste. | 4 |
| 4.4 | If needed, heavily stained or discolored concrete surfaces were pre-soaked with washwater or a sodium hydroxide solution. (Should staining or contamination persist after pressure washing then impacted concrete sections will be subject to the procedures in Section 5). Solution used: | n/t |
| 4.5 | Surfaces were pressure washed. Decontamination work was performed evenly on surfaces starting from the highest contours. Blank or blind sumps were power washed. | 4 |
| 4.5 | Sumps and collection points were continuously pumped. Spent washwater was transferred to temporary storage tank. | 4 |
| 4.6 | A single rinse with clean water was applied evenly on surfaces starting from the highest contours working down to sumps. | Ÿ |
| 4.6 | Spent rinseate was collected into a temporary storage tank. | 4 |
| 4.7 | Verification of successful decontamination was conducted in accordance with Section 8. | T |

HWMUs (Hazardous Waste Management Unit) are found in SOP Appendix A (Inventory of Units and Equipment). Note any comments on the back of this form and reference the SOP Section #.

CHECKLIST DECONTAMINATION OF CONCRETE STRUCTURES (Reverse)

| HWMU/SWMU | 1: THIK FROM A PA | DATE: | 3/10/09 |
|------------|---|---------------|---|
| | | | |
| SOP SECT.# | | COMMENTS | |
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| | this form based on my actions or ttest that the information noted is true | | observations and/or inquiry of I attest that this form was completed. |
| | | Make | Lason |
| Lea | d Technician Signature | Próject Sup | erintendent Signature |
| | | | Endson |
| Lead | Technician Printed Name | Project Super | ntendent Printed Name |
| | 3/11/09 | 3/12 | leg |
| | Date | | Date |

VERIFICATION FORM FOR CONCRETE CLEAN DEBRIS SURFACE STANDARD

| UNIT IDENTIFICATION | | | | | | | | |
|----------------------|---------------------------------------|--------------|-------------------|------------------|---------------|--------------------|-------------|--------|
| HWMU/SWMU N | · · · · · · · · · · · · · · · · · · · | アッカフェ | k Buzun | 1 | 1240 | | | |
| Floor Surface Are | ea: | 1200 | Sq. ft. | Wall Surf | face Area: | 70 | S | q. ft. |
| Minimum numbe | · · · · · · · · · · · · · · · · · · · | | | | | | 5+ | |
| (at least three loca | tions or one per 5 | 00 sq ft, | , whichever is gr | eater) | | | 21 | |
| | FIR' | CT THRI | E LOCATIONS | AND GENE | DAI ARFA | | | |
| Location 1: | Bottom of bline | | | | | | | |
| Observations: | | | | | | | | |
| Surface contami | ination: 🗖 Yes 🖟 | No | Staining: 🚨 \ | ∕es 💆 No | Residues i | in cracks, pits: | ☐ Yes 🔽 | a∕ No |
| Location #2: | | | 7705 | | | | | |
| Note: If the subject | t unit is a tank farr | m, this k | ocation must be | beneath a t | ank or previo | ous location of a | tank. | |
| Observations: | | | | | | | | |
| Surface contami | ination: 🗖 Yes 🏻 | ₩No | Staining: 🗖 Y | ∕es 💆 No | Residues i | n cracks, pits: l | ☐ Yes Æ | 1 No |
| Location #3: | | Sou | 74 2 +35 | GuA | -55 | | | |
| Note: if the subject | unit is a tank farr | | | | | one (1) foot of th | ne floor. | |
| Observations: | | | | | | | | |
| Surface contami | ination: 🗖 Yes 🕻 | ⊉ °No | Staining: 🚨 Y | ∕es 🎞 No | Residues i | n cracks, pits: | ⊐ Yes 🌠 | 1 No |
| Remaining Areas | | ALL | | | | | | |
| Observations: | | | | | | | | |
| Surface contami | nation: 🛭 Yes 🍹 | No K | Staining: 🗖 Y | /es ⊈ No | Residues i | n cracks, pits: (| ⊒ Yes 🗷 | No |
| | | | | | | | | |
| AD | DITIONAL LOCA | TIONS, | if necessary; a | ıttach addi | tional sheet | s as required | | |
| Identify Location | # and describe | | Benett | 7 THIE | C FILM | Sount a | CENTE | B |
| Observations: | | | | | | | | |
| Surface contami | nation: 🗖 Yes 🏻 | J∕No | Staining: 🔲 Y | /es ☑No | Residues i | n cracks, pits: (| ☐ Yes 🗷 | No |
| Identify Location | # and describe: | | 11051 | 6811 | 728 | | | |
| Observations: | | | | | | | | |
| Surface contami | nation: 🗖 Yes 🕻 | ₩No | Staining: 🚨 Y | ∕es © ¥No | Residues i | n cracks, pits: [| ⊒ Yes 🙋 | No |
| Identify Location | # and describe: | | | | | | | |
| Observations: | | | | | | | | |
| Surface contami | nation: 🗖 Yes 🕻 | ■No | Staining: 🔲 Y | /es 🛭 No | Residues i | n cracks, pits: [| ⊒ Yes □ |) No |
| Remaining Interio | r Surfaces | | | | | | | |
| Observations: | | | | | | | | |
| Surface contamir | nation: 🗖 Yes 🕻 | No | Staining: 🚨 Y | es 🛭 No | Residues i | n cracks, pits: (| ☐ Yes ☐ | No |

VERIFICATION FORM FOR CONCRETE CLEAN DEBRIS SURFACE STANDARD

| Unit Iden | tification | | | | | |
|--|--|--|--|--|--|--|
| HWMU/SWMU Name: TANK FARM | A DAD | | | | | |
| THE PROPERTY OF THE PROPERTY O | | | | | | |
| Verification Comments | | | | | | |
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| NOTES See Romic Southwest Closure SOP Section 8 for guid | ance. Attach unit diagram or sketch. | | | | | |
| Verificati | on Results | | | | | |
| Pass | ☐ Fail | | | | | |
| free of all visible contaminated soil and hazardous waste exce shadows, slight streaks, or minor discolorations, and soil and v | n; that is, each surface, when viewed without magnification, is pt that residual staining from soil and waste consisting of light waste in cracks, crevices, and pits may be present provided that all be limited to no more than 5% of each square inch of surface | | | | | |
| If equipment failed, Project Superintendent t | o decide whether to repeat decontamination | | | | | |
| Repeat Decontamination? Yes No Cut o | ut and dispose as hazardous waste? Yes No | | | | | |
| Project Superintendent Comments: | | | | | | |
| | | | | | | |
| Project Superintendent Certification | Project Manager Certification | | | | | |
| I certify that this document and all attachments were prepared under my direction or supervision. Based on my inquiry of those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. | I certify that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the persons who manage the system and/or are directly responsible for gathering the information, the information is, to the best of my knowledge and belief, true, accurate, and complete. | | | | | |
| MIKE GIPSON | Matthew Dunce | | | | | |
| Project Superintendent Printed Name | Project Manager Printed Name | | | | | |
| nika Lybon | (M) | | | | | |
| Project Superintendent Signature | Project Manager Signature | | | | | |
| 3/12/09 | 3/18/09 | | | | | |
| Date | ' Date | | | | | |

CHECKLIST DECONTAMINATION OF CONCRETE STRUCTURES

| HWMU/SWMU: JMIK BARM & PAS DATE: 3/3/09 | HWMU/SWMU: | | EARIN | | DATE: | 3/3/09 |
|---|------------|--|-------|--|-------|--------|
|---|------------|--|-------|--|-------|--------|

| SOP SECT.# | SOP STEP | COMPLETED (Y - N - N/A) |
|---------------|---|----------------------------|
| 4.1 | A visual inspection of concrete surfaces to include sumps, floors, walls and berms | (1-14-14/A) |
| | was made to ascertain the safest and most effective decontamination approach. | 4 |
| 4.1 | Concrete surfaces and epoxy coatings were inspected for cracks, gaps, peeling, bubbles, or other major structural defects prior to decontamination to determine potential subsurface soil sampling locations. | 4 |
| 4.1 | Any cracks that were observed to extend through the entire thickness of the concrete slab were sealed using non-toxic caulking. | NA |
| 4.1 | Gradients and slope were considered when determining where to allow washwater to flow for collection. | ч |
| 4.2 | Metallic or non porous items that would interfere with decontamination were disassembled. They were either placed into containers for decontamination as miscellaneous equipment or disposed as hazardous waste. | y |
| 4.2 | For concrete pads where curbing is not present, a temporary water proof berming material was installed. | n A |
| 4.2 | Spray barriers or protective sheeting were installed (if there is a possibility of overspray beyond the containment area). | y. |
| 4.2 | Washing equipment and supplies, water sources and washwater collection points were available. | Ý |
| 4.2 | Ingress and egress were limited to a single retaining wall stair well or ladder. | į |
| 4.2 | Emergency equipment and PPE decontamination stations were in place. | i _r |
| 4.2 | Transfer and containment of spent washwater were in place. | v |
| 4.3 | All debris and loose dirt were swept up and placed into containers for disposal as hazardous waste. | ÷ |
| 4.4 | If needed, heavily stained or discolored concrete surfaces were pre-soaked with washwater or a sodium hydroxide solution. (Should staining or contamination persist after pressure washing then impacted concrete sections will be subject to the procedures in Section 5). Solution used: | NA |
| 4.5 | Surfaces were pressure washed. Decontamination work was performed evenly on surfaces starting from the highest contours. Blank or blind sumps were power washed. | 4 |
| 4.5 | Sumps and collection points were continuously pumped. Spent washwater was transferred to temporary storage tank. | Y |
| 4.6 | A single rinse with clean water was applied evenly on surfaces starting from the highest contours working down to sumps. | £ |
| 4.6 | Spent rinseate was collected into a temporary storage tank. | V |
| 4.7 | Verification of successful decontamination was conducted in accordance with Section 8. | 1 / |

HWMUs (Hazardous Waste Management Unit) are found in SOP Appendix A (Inventory of Units and Equipment). Note any comments on the back of this form and reference the SOP Section #.

| HWMU/SWMU: TANK FARM B | DATE: |
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| SOP SECT. # | COMMENTS |
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| I have completed this form based on my actions or observations, and attest that the information noted is true and accurate. | Based on my personal observations and/or inquiry of responsible individuals, I attest that this form was properly and accurately completed. |
| | Mikalos |
| Lead Technician Signature | Project Superintendent Signature |
| | MIKE ELESER |
| Lead Technician Printed Name | Project Superintendent Printed Name |
| 3/5/01 Date | 3/4/09 |
| Date | Date |

| | UNIT IDENTIFICATION | | | | | | | | | | |
|--------------------------|---------------------|-----------|-----------|--|-------------|--------|---------------|------------|--|--------------|-------------|
| HWMU/SWMU N | | | TA | nh FA | om B | رجر | 7×5 | | | | |
| Floor Surface Are | ea: | 31 | 9×4 | 0 = 120 Sq. | ft. Wal | l Surf | ace Area: | 6 m 6 | 3110.4 | 10 | Sq. ft. |
| Minimum numbe | | uare foo | ot clos | e examinatio | on location | ons | | 6 m b | | -2-3 | |
| (at least three loca | tions or o | ne per 50 | 00 sq ft | t, whichever is | s greater) | | | | | 5-4 | 1 |
| | | FIRS | T THR | EE LOCATIO | NS AND | SFNE | RAI AREA | | | | |
| Location 1: | Bottom | | | c (specify loc | | | | 90142 | > | | |
| Observations: | | | | | | · • | | | | | |
| | | | | | | | | | | | |
| Surface contami | ination: [| 🛚 Yes 🖟 | No | Staining: | ⊒ Yes 🔽 | No | Residues i | n cracks, | pits: [| ⊒ Yes | Ø No |
| Location #2: | | | TIL | 2 FAL | 58 4 | 3017 | 7224 PV | () | | | |
| Note: If the subject | unit is a t | tank farn | n, this l | location must | be benea | th a t | ank or previo | us locatio | n of a t | ank. | |
| Observations: | | | | | | | | | | | |
| Surface contami | nation: [| ⊒ Yes Ç | ₽No | Staining: [| 🗕 Yes 📮 | No | Residues i | n cracks, | pits: [| 1 Yes | Æ No |
| Location #3: | | | 500 | Maits. | الله الم | رونهم | > | | | | |
| Note: if the subject | unit is a t | ank farn | n, this l | ocation must | be on an | inside | wall within c | ne (1) fo | ot of th | e floor | |
| Observations: | | | | | | | | | | | |
| Surface contami | nation: [| ا Yes | No | Staining: (| ⊐ Yes 🖸 | No | Residues ir | n cracks, | pits: [| J Yes | ₩ No |
| Remaining Areas | | | 500 | M4 8,357 | 35. | John | | | | | |
| Observations: | | | | | | | | | | | |
| Surface contami | nation: [| ⊒ Yes 📮 | ľNo | Staining: (| ☐ Yes 🏻 | No | Residues in | n cracks, | pits: 🕻 | Yes | ☑ No |
| | | | | | | | | | | | |
| AD | DITIONA | L LOCAT | TIONS, | , if necessary | y; attach | addi | tional sheet: | s as requ | ired | | |
| Identify Location | # and de | escribe: | | | | | | | | | |
| Observations: | | | • | | | | | | | | |
| Surface contami | nation: C |] Yes □ | No | Staining: [| Yes 🗖 | No | Residues in | n cracks, | pits: 🕻 | Yes | ☐ No |
| Identify Location | # and de | scribe: | | ************************************** | | • | | | | | |
| Observations: | | **** | | | | | | | | | |
| Surface contami | nation: C |] Yes □ | No | Staining: [| Yes 🛚 | No | Residues ir | n cracks, | pits: 🛚 | Yes | ☐ No |
| Identify Location | # and de | escribe: | | | | | | | | | |
| Observations: | | | | | | | | | | | |
| Surface contami | nation: 🕻 |] Yes □ | No | Staining: [| Yes 🚨 | No | Residues ir | r cracks, | pits: 🛭 | 1 Yes | ☐ No |
| Remaining Interio | r Surface | 35 | | | | | | | 199-1-7-, , , , , , , , , , , , , , , , , , , | | |
| Observations: | | | | | | | | | | | |
| Surface contami | nation: [| Yes 🗆 | No | Staining: [| J Yes □ | No | Residues in | cracks | nits: [| Yes | □ No |

| | | Unit Ident | tification | | | | |
|--|--|--|--|--|--|--|--|
| HWMU/SWMU Name: | TANK | FARM | 8 | | | | |
| | | | | | | | |
| | | Verification | Comments | | | | |
| | | | | | | | |
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| NOTES See Romic Southwest Clo | sure SOP Section | n 8 for guida | ance. Attach unit diagram or sketch. | | | | |
| | | Verificatio | on Results | | | | |
| | ⊠ F | Pass | ☐ Fail | | | | |
| free of all visible contaminate shadows, slight streaks, or mir | d soil and hazardou nor discolorations, a oil in cracks, crevice | is waste excep and soil and wa | that is, each surface, when viewed without magnification, is put that residual staining from soil and waste consisting of light waste in cracks, crevices, and pits may be present provided that all be limited to no more than 5% of each square inch of surface | | | | |
| | | intendent to | o decide whether to repeat decontamination | | | | |
| Repeat Decontamination | ? 🛘 Yes 🔲 No | Cut ou | ut and dispose as hazardous waste? 🔲 Yes 🔲 No | | | | |
| Project Superintendent C | omments: | | | | | | |
| | | | | | | | |
| Project Superinte | ndent Certificati | ion | Project Manager Certification | | | | |
| I certify that this document and all attachments were prepared under my direction or supervision. Based on my inquiry of those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. | | hose persons e information | I certify that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the persons who manage the system and/or are directly responsible for gathering the information, the information is, to the best of my knowledge and belief, true, accurate, and complete. | | | | |
| MIKE | 61250r | 1 | Morthow June | | | | |
| Project Superinter | ndent Printed Name | | Project Manager Printed Name | | | | |
| mh | Syn | A Company of the Comp | M X | | | | |
| Project Superint | endent signature | | Project Manager Signature | | | | |
| 3/9 | 1/09 | | 3/18/09 | | | | |

| HWMU/SWMU: | TANK FARM | غ ^{ار بر} سو | DATE. | 7/3/20 |
|------------|---------------|-----------------------|-------|--------|
| | TOTTIK JOHOWI | <u> </u> | DATE: | 3/3/04 |

| SOP SECT.# | SOP STEP | COMPLETED (Y - N - N/A) |
|---------------|---|----------------------------|
| 4.1 | A visual inspection of concrete surfaces to include sumps, floors, walls and berms was made to ascertain the safest and most effective decontamination approach. | 4 |
| 4.1 | Concrete surfaces and epoxy coatings were inspected for cracks, gaps, peeling, bubbles, or other major structural defects prior to decontamination to determine potential subsurface soil sampling locations. | 4 |
| 4.1 | Any cracks that were observed to extend through the entire thickness of the concrete slab were sealed using non-toxic caulking. | na |
| 4.1 | Gradients and slope were considered when determining where to allow washwater to flow for collection. | 4 |
| 4.2 | Metallic or non porous items that would interfere with decontamination were disassembled. They were either placed into containers for decontamination as miscellaneous equipment or disposed as hazardous waste. | 4 |
| 4.2 | For concrete pads where curbing is not present, a temporary water proof berming material was installed. | n4 |
| 4.2 | Spray barriers or protective sheeting were installed (if there is a possibility of overspray beyond the containment area). | 4 |
| 4.2 | Washing equipment and supplies, water sources and washwater collection points were available. | V |
| 4.2 | Ingress and egress were limited to a single retaining wall stair well or ladder. | 4 |
| 4.2 | Emergency equipment and PPE decontamination stations were in place. | · · |
| 4.2 | Transfer and containment of spent washwater were in place. | V |
| 4.3 | All debris and loose dirt were swept up and placed into containers for disposal as hazardous waste. | 4 |
| 4.4 | If needed, heavily stained or discolored concrete surfaces were pre-soaked with washwater or a sodium hydroxide solution. (Should staining or contamination persist after pressure washing then impacted concrete sections will be subject to the procedures in Section 5). | va 2 |
| 4.5 | Solution used: Surfaces were pressure washed. Decontamination work was performed evenly on surfaces starting from the highest contours. Blank or blind sumps were power washed. | <i>n.t</i> |
| 4.5 | Sumps and collection points were continuously pumped. Spent washwater was transferred to temporary storage tank. | · · |
| 4.6 | A single rinse with clean water was applied evenly on surfaces starting from the highest contours working down to sumps. | Ų. |
| 4.6 | Spent rinseate was collected into a temporary storage tank. | 1 |
| 4.7 | Verification of successful decontamination was conducted in accordance with Section 8. | - |

| HWMU/SWM | U: DANK PARM CI | DATE: 3/3/09 | |
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| SOP SECT. # | | COMMENTS | |
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| I have completed | this form based on my actions or | Based on my personal observations and/or inquin | |
| | attest that the information noted is true | responsible individuals, I attest that this form | |
| and accurate. | | properly and accurately completed. | |
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| | | Makexham | |
| Le | ad Technician Signature | Project Superintendent Signature | |
| | | | |
| | | MIKE GIRSON | |
| Lead | Technician Printed Name | Project Superintendent Printed Name | |
| | 2/-/- | · / / _ | |
| | 3/5/09 | 3/11/09 | |
| | Date | Date | |

| CLEAN DEBRIS SURFACE STANDARD | | | | | | | |
|---|---------------------|--------------|---|---------------------------------------|---------------------------------------|---------------------------------------|----------|
| | | | UNIT IDEN | ITIFICATION | | | |
| HWMU/SWMU I | Name: | TANK | FARM | 1 C i | 242 | | |
| Floor Surface Are | ea: | | | ft. Wall Sur | | 340 | Sq. ft. |
| Minimum numbe | er of 1-square f | | | | | <u> </u> | |
| (at least three loca | tions or one per | 500 sq f | t, whichever i | s greater) | | | 4+1 |
| FIRST THREE LOCATIONS AND GENERAL AREA | | | | | | | |
| Location 1: | 4 | | | | | MIDDLE | |
| Observations: | | | | | C WI J & Court | The design of the second | |
| | | | | | | | |
| Surface contam | ination: 🗖 Yes | ⊠ No | Staining: | ☐ Yes ☒ No | Residues i | n cracks, pits: [| Yes A No |
| Location #2: | | TOO | 01 T12 | 4 14.2 | | | |
| Note: If the subject | t unit is a tank fa | | | | ank or previo | us location of a t | ank. |
| Observations: | | | | | - VIII | | |
| | | | | | | | |
| Surface contam | ination: 🗖 Yes | □ KNo | Staining: | ☐ Yes ☐ No | Residues i | n cracks, pits: 🛭 | Yes WNo |
| Location #3: | | | | South | | | |
| Note: if the subject | unit is a tank fa | rm, this l | ocation must | be on an inside | e wall within o | one (1) foot of th | e floor. |
| Observations: | | | | | | | |
| Surface contami | ination: 🗖 Yes | Ø No | Staining: | ☐ Yes ☐¥No | Residues i | n cracks, pits: [| Yes 🖾 No |
| Remaining Areas | ۾ | 16 | | | | | |
| Observations: | , | | | | | | |
| | | | • | | | | |
| Surface contami | nation: 🗖 Yes | ⊿ No | Staining: | ☐ Yes ☑ No | Residues i | n cracks, pits: [| Yes 🗘 No |
| · · · · · · · · · · · · · · · · · · · | | * | | | | | |
| | DITIONAL LOC | | | | | · · · · · · · · · · · · · · · · · · · | |
| Identify Location | # and describ | e: | no | 12TH 8A | 57 QU | (A) | |
| Observations: | | | | | | | |
| | | | | | | | |
| Surface contami | nation: 🗖 Yes | (⊉'No | Staining: (| ☐ Yes 🖾 No | Residues i | n cracks, pits: 🕻 | Yes 🗗 No |
| Identify Location | # and describe | e: | | | | | |
| Observations: | | | | | | | |
| Surface contamination: ☐ Yes ☐ No Staining: ☐ Yes ☐ No Residues in cracks, pits: ☐ Yes ☐ No | | | | | | | |
| Identify Location | # and describe | 2: | | | | | |
| Observations: | | | | | | | |
| | | | - 7 - 7 - 17 - 17 - 17 - 17 - 17 - 17 - | · · · · · · · · · · · · · · · · · · · | · · · · · · · · · · · · · · · · · · · | | |
| Surface contami | | ☐ No | Staining: (| Yes 🗖 No | Residues ir | n cracks, pits: 🕻 | Yes 🛭 No |
| Remaining Interio | r Surfaces | | | | | | |
| Observations: | | | | | | | |

Staining: Yes No Residues in cracks, pits: Yes No

Surface contamination: ☐ Yes ☐ No

| | | | tification | | | | | | |
|--|------------------------------------|---|---|--|--|--|--|--|--|
| A DATE OF A LIE OF A LIE DE | | | tification | | | | | | |
| HWMU/SWMU Name: | TANK | PARIN | C1 | PAN | | | | | |
| F | | | | | | | | | |
| | *····· | Verification | n Comments | 5 | | | | | |
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| NOTES See Romic Southwest Closu | re SOP Sectio | on 8 for guid | ance. Attacl | h unit diagram or sketch. | | | | | |
| | | Verification | on Results | | | | | | |
| | | Pass | | Fail | | | | | |
| free of all visible contaminated s shadows, slight streaks, or minor | oil and hazardo discolorations, | ous waste exce and soil and w | pt that residua vaste in cracks | n surface, when viewed without magnification, is al staining from soil and waste consisting of light , crevices, and pits may be present provided that o no more than 5% of each square inch of surface | | | | | |
| lf equipment failed, | Project Supe | rintendent t | o decide wh | ether to repeat decontamination | | | | | |
| Repeat Decontamination? | · | | | ose as hazardous waste? 🗖 Yes 📮 No | | | | | |
| Project Superintendent Cor | | | | | | | | | |
| | | | | | | | | | |
| Project Superintend | ent Certificat | tion | | Project Manager Certification | | | | | |
| I certify that this document and all attachments were prepared under my direction or supervision. Based on my inquiry of those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. | | orepared under those persons he information | I certify that this document and all attachments were prepared ur my direction or supervision in accordance with a system designe assure that qualified personnel properly gather and evaluate information submitted. Based on my inquiry of the persons manage the system and/or are directly responsible for gathering information, the information is, to the best of my knowledge belief, true, accurate, and complete. | | | | | | |
| MIKE | GIPSI | or C | | Matthew Dunc | | | | | |
| Project Superintendent Printed Name | | | | Project Manager Printed Name | | | | | |
| mh | Syper | | m | | | | | | |
| Project Superintend | dent Sig y ature | | | Project Manager Signature 3/18/09 | | | | | |
| Date | - | | | Date | | | | | |

| HWMU/SWMU: | TANK FARM | 02 | DATE: | 3/10/09 | |
|---------------------------------------|-----------|---------|--------|---------|--|
| · · · · · · · · · · · · · · · · · · · | | Section | D/(1 L | | |

| SOP SECT.# | SOP STEP | COMPLETED (Y - N - N/A) |
|---------------|---|----------------------------|
| 4.1 | A visual inspection of concrete surfaces to include sumps, floors, walls and berms was made to ascertain the safest and most effective decontamination approach. | i i |
| 4.1 | Concrete surfaces and epoxy coatings were inspected for cracks, gaps, peeling, bubbles, or other major structural defects prior to decontamination to determine potential subsurface soil sampling locations. | 4 |
| 4.1 | Any cracks that were observed to extend through the entire thickness of the concrete slab were sealed using non-toxic caulking. | n4 |
| 4.1 | Gradients and slope were considered when determining where to allow washwater to flow for collection. | Y |
| 4.2 | Metallic or non porous items that would interfere with decontamination were disassembled. They were either placed into containers for decontamination as miscellaneous equipment or disposed as hazardous waste. | 4 |
| 4.2 | For concrete pads where curbing is not present, a temporary water proof berming material was installed. | n/4 |
| 4.2 | Spray barriers or protective sheeting were installed (if there is a possibility of overspray beyond the containment area). | Y |
| 4.2 | Washing equipment and supplies, water sources and washwater collection points were available. | 4 |
| 4.2 | Ingress and egress were limited to a single retaining wall stair well or ladder. | 4 |
| 4.2 | Emergency equipment and PPE decontamination stations were in place. | faci |
| 4.2 | Transfer and containment of spent washwater were in place. | Ý |
| 4.3 | All debris and loose dirt were swept up and placed into containers for disposal as hazardous waste. | Y |
| 4.4 | If needed, heavily stained or discolored concrete surfaces were pre-soaked with washwater or a sodium hydroxide solution. (Should staining or contamination persist after pressure washing then impacted concrete sections will be subject to the procedures in Section 5). Solution used: | na |
| 4.5 | Surfaces were pressure washed. Decontamination work was performed evenly on surfaces starting from the highest contours. Blank or blind sumps were power washed. | 4 |
| 4.5 | Sumps and collection points were continuously pumped. Spent washwater was transferred to temporary storage tank. | 7 |
| 4.6 | A single rinse with clean water was applied evenly on surfaces starting from the highest contours working down to sumps. | 4 |
| 4.6 | Spent rinseate was collected into a temporary storage tank. | 4 |
| 4.7 | Verification of successful decontamination was conducted in accordance with Section 8. | 1 |

| HWMU/SWMU: | THAT FARENCE | DATE: | 3/10/09 |
|-------------|---|-------------------|--|
| | | | |
| SOP SECT. # | | COMMENTALITO | |
| SUF SECT.# | A A A A A A A A A A A A A A A A A A A | COMMENTS | |
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| | s form based on my actions or st that the information noted is true | | bservations and/or inquiry of attest that this form was mpleted. |
| | | // | ntendent Signature |
| Lead T | echnician Signature | Project Superii | ntendent Signature |
| | | MIKE | 612SEA |
| Lead Ted | chnician Printed Name | Project Superinte | endent Printed Name |
| 3/ | /) 1 / (3 · 9 Date | 3/11 | 1/09 Date |
| | Date | |) ata |

| | UNIT IDENTIFICATION | | | | | | · · · · · · · · · · · · · · · · · · · |
|----------------------|---------------------|---------------|-----------------|--|--------------------|--|---------------------------------------|
| HWMU/SWMU N | | TAY | IK FA | RIM | C2 | | |
| Floor Surface Are | ea: | | | ì | II Surface Area: | | <i>(℃</i> Sq. ft. |
| Minimum numbe | | foot clos | e examinat | ion location | | <u> </u> | 411 |
| (at least three loca | tions or one per | 500 sq ft | , whichever | is greater) | | | 711 |
| | FI | RST THR | FF I OCATIO | ONS AND | GENERAL AREA | | |
| Location 1: | ı | | | | CGN792 | · | |
| Observations: | | • | χ-ι- , | | No. 6 7 7 2 20 | | |
| | | | | | | | |
| Surface contami | nation: 🗖 Yes | Ø No | Staining: | ☐ Yes 📮 | rNo Residues | in cracks, pits: | ☐ Yes Æ No |
| Location #2: | | | RAMA | FUIT | TRESICE- | | |
| Note: If the subject | unit is a tank fa | arm, this l | ocation mus | t be benea | th a tank or previ | ous location of a | tank. |
| Observations: | | | | | | | |
| Surface contami | nation: 🛚 Yes | ⊉ No | Staining: | ☐ Yes 🖸 | No Residues | in cracks, pits: | ☐ Yes ☐ No |
| Location #3: | | | | | 2 wou | | |
| Note: if the subject | unit is a tank fa | | | | | one (1) foot of t | he floor. |
| Observations: | | | | | | | |
| Surface contami | nation: 🚨 Yes | Ŭ a No | Staining: | ☐ Yes 🗓 | No Residues | in cracks, pits: | ☐ Yes █ No |
| Remaining Areas | | A | - | ************************************** | <u> </u> | | |
| Observations: | | <i>y</i> | | | | | |
| Surface contami | nation: 🛭 Yes | Ø No | Staining: | ☐ Yes ☐ | No Residues | in cracks, pits: | ☐ Yes 🏖 No |
| | | | | | | · · · · · · · · · · · · · · · · · · · | |
| | | | if necessa | ry; attach | additional shee | ts as required | |
| Identify Location | # and describ | e: | NORT | 48157 | CAUGO - | | |
| Observations: | | | | | | | · · · · · · · · · · · · · · · · · · · |
| Surface contami | nation: 🗖 Yes | © No | Staining: | ☐ Yes 🖸 | No Residues | in cracks, pits: | ☐ Yes ☐ No |
| Identify Location | # and describe | e: | | | | | |
| Observations: | | | *** | | | The state of the s | |
| Surface contami | nation: 🔲 Yes | □ No | Staining: | ☐ Yes ☐ | No Residues | in cracks, pits: | ☐ Yes ☐ No |
| Identify Location | and describe | 2: | | | | | |
| Observations: | | | Market Marketta | | - | | 7*** |
| Surface contamir | nation: 🖵 Yes | ☐ No | Staining: | ☐ Yes ☐ | No Residues i | n cracks, pits: | ☐ Yes ☐ No |
| Remaining Interio | r Surfaces | I | | **** | | | · · · · · · · · · · · · · · · · · · · |
| Observations: | | | · | | 3145-34 | | |
| Surface contamir | nation: 🛭 Yes | □ No | Staining: | ☐ Yes ☐ | No Residues i | n cracks, pits: | ☐ Yes ☐ No |

| | | Unit Iden | tification | | | | | | |
|--|---|---|---|--|--|--|--|--|--|
| HWMU/SWMU Name: | TANK | Farm | CZ | | | | | | |
| | | | | | | | | | |
| | Verification Comments | | | | | | | | |
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| NOTES See Romic Southwest Clos | ure SOP Section | on 8 for guid | ance. Attach uni | t diagram or sketch. | | | | | |
| | | Verificatio | on Results | | | | | | |
| | | Pass | ☐ Fail | | | | | | |
| free of all visible contaminated shadows, slight streaks, or mind | soil and hazardo or discolorations, I in cracks, crevic | ous waste exce and soil and w | pt that residual stai vaste in cracks, crevi | nce, when viewed without magnification, is ning from soil and waste consisting of light ces, and pits may be present provided that nore than 5% of each square inch of surface | | | | | |
| If equipment failed | d, Project Supe | erintendent t | o decide whethe | r to repeat decontamination | | | | | |
| Repeat Decontamination? | ☐ Yes ☐ N | o Cut o | ut and dispose as | hazardous waste? 🗖 Yes 🔲 No | | | | | |
| Project Superintendent Co | mments: | | | | | | | | |
| | | | | | | | | | |
| Project Superinten | | | | ect Manager Certification | | | | | |
| I certify that this document and all a my direction or supervision. Based directly responsible for gathering submitted is, to the best of my kno and complete. | on my inquiry of the information, t | those persons he information | my direction or supe assure that qualified information submitt manage the system | ument and all attachments were prepared under cryision in accordance with a system designed to depersonnel properly gather and evaluate the ed. Based on my inquiry of the persons who and/or are directly responsible for gathering the permation is, to the best of my knowledge and and complete. | | | | | |
| MIKE | 61750 | yn. | V | Natthew Dunn | | | | | |
| Project Superintend | ent Printed Name | *************************************** | P | roject Manager Printed Name | | | | | |
| Mil | Im | · · | Ol | | | | | | |
| Project Superinte | ndent Signature | | | Project Manager Signature | | | | | |
| 3/11) | 09 | | | 3/18/09 | | | | | |
| Dat | e | | | Date | | | | | |

| HWMU/SWMU: | TMIN THEM | D: | PAD DATE: | 3/12/09 |
|------------|-----------|----------|-----------|---------|
| | | <u> </u> | | - Annat |

| SOP SECT.# | SOP STEP | COMPLETED (Y - N - N/A) |
|---------------|---|----------------------------|
| 4.1 | A visual inspection of concrete surfaces to include sumps, floors, walls and berms | |
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| 4.1 | Any cracks that were observed to extend through the entire thickness of the concrete slab were sealed using non-toxic caulking. | N/A |
| 4.1 | Gradients and slope were considered when determining where to allow washwater to flow for collection. | ů, |
| 4.2 | Metallic or non porous items that would interfere with decontamination were disassembled. They were either placed into containers for decontamination as miscellaneous equipment or disposed as hazardous waste. | 4 |
| 4.2 | For concrete pads where curbing is not present, a temporary water proof berming material was installed. | nA |
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| 4.6 | Spent rinseate was collected into a temporary storage tank. | Y |
| 4.7 | Verification of successful decontamination was conducted in accordance with Section 8. | 4 |

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| HWMU/SWMU: TANK THOM . | DATE: 3/12/09 |
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| SOP SECT. # | COMMENTS |
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| I have completed this form based on my actions or observations, and attest that the information noted is true and accurate. | Based on my personal observations and/or inquiry of responsible individuals, I attest that this form was properly and accurately completed. |
| | Mahala |
| Lead Technician Signature | Project Superintendeat Signature |
| | MIKE GASON |
| Lead Technician Printed Name | Project Superintendent Printed Name |
| 3/12/04 Date | 3/12/09 |
| Date | Date |

| | UNIT IDENTIFICATION | | | | | | | | |
|----------------------|---|-----------------------|-----------------|--------------|-----------------|-------------------|----------|---------------|--|
| HWMU/SWMU N | | 7.77 | IK BARIN | <u> </u> | 1342 | | | | |
| Floor Surface Are | a: | 1500 | | Wall Sur | face Area: | 34 | े | Sq. ft. | |
| Minimum numbe | - | | | | | • | | . 1 | |
| (at least three loca | Minimum number of 1-square foot close examination locations (at least three locations or one per 500 sq ft, whichever is greater) (*********************************** | | | | | | | | |
| | F | RST THR | EE LOCATIONS | AND GENE | RAI ARFA | | | | |
| Location 1: | i | | (specify locati | | | 2 | | | |
| Observations: | | | | | | | | | |
| | | | | | , | | | <u> </u> | |
| Surface contami | nation: 🚨 Yes | ; 🎾 No | Staining: 🔲 \ | ∕es 🔰 No | Residues i | n cracks, pits: | ☐ Yes | Ç X No | |
| Location #2: | | 132 | | ···· | | | | | |
| Note: If the subject | unit is a tank f | arm, this l | ocation must be | beneath a t | ank or previo | us location of a | tank. | | |
| Observations: | | | | | | | | | |
| Surface contami | nation: 🗖 Yes | Σ β ΥNο | Staining: 🔲 \ | ∕es Çar̂No | Residues i | n cracks, pits: | 🗖 Yes | Σ Υ Nο | |
| Location #3: | £2. | OUTH | CENTER | | | | | | |
| Note: if the subject | unit is a tank f | arm, this l | ocation must be | on an inside | e wall within o | one (1) foot of t | he flooi | | |
| Observations: | | | | | | | | | |
| Surface contami | nation: 🚨 Yes | ÿ No | Staining: 🔲 \ | es 🖫 No | Residues i | n cracks, pits: | ☐ Yes | ₯ ′No | |
| Remaining Areas | A. | 16 | | | | | | / | |
| Observations: | | | | | | | | | |
| Surface contami | nation: 🚨 Yes | ; <mark>Q</mark> Í No | Staining: 🗖 Y | es 🖾 No | Residues i | n cracks, pits: | ☐ Yes | ¹ ∮ No | |
| | | | | | | | | | |
| ADI | DITIONAL LO | CATIONS, | if necessary; a | ttach addi | tional sheet | s as required | | | |
| Identify Location | # and describ | oe: | Dam, | 57757 | 'are | | | | |
| Observations: | | | | | | | ****** | | |
| Surface contami | nation: 🗖 Yes | ⊠ No | Staining: 🔲 Y | ′es 🗷 No | Residues in | n cracks, pits: | ☐ Yes | √No | |
| Identify Location | # and describ | e: | | | | | | | |
| Observations: | | | | | | | | | |
| Surface contami | nation: 🗖 Yes | ☐ No | Staining: 🔲 Y | 'es 🔲 No | Residues in | n cracks, pits: | ☐ Yes | □No | |
| Identify Location | # and describ | e: | | | | | | | |
| Observations: | | • | | | | | | | |
| Surface contamir | nation: 🗖 Yes | ☐ No | Staining: 🔲 Y | es 🛭 No | Residues in | n cracks, pits: | ☐ Yes | ☐ No | |
| Remaining Interio | r Surfaces | | | | | | <u></u> | | |
| Observations: | | - | | | | | | | |
| Surface contamir | nation: 🗖 Yes | ☐ No | Staining: 🔲 Y | es 🛭 No | Residues in | n cracks, pits: | ☐ Yes | □ No | |

| Unit Iden | tification | | | | | | | |
|--|---|--|--|--|--|--|--|--|
| HWMU/SWMU Name: TOTAL TOTAL | 21 | | | | | | | |
| | | | | | | | | |
| Verification | n Comments | | | | | | | |
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| NOTES | | | | | | | | |
| See Romic Southwest Closure SOP Section 8 for guid | ance. Attach unit diagram or sketch. | | | | | | | |
| | _ | | | | | | | |
| | on Results | | | | | | | |
| XI Pass | ☐ Fail | | | | | | | |
| "Pass" indicates that each surface has passed visual inspection | | | | | | | | |
| free of all visible contaminated soil and hazardous waste exce | pt that residual staining from soil and waste consisting of light invises in cracks, crevices, and pits may be present provided that | | | | | | | |
| _ | all be limited to no more than 5% of each square inch of surface | | | | | | | |
| area. [ref 40 CFR 268.45 Table 1] | | | | | | | | |
| | o decide whether to repeat decontamination | | | | | | | |
| Repeat Decontamination? Yes No Cut or | ut and dispose as hazardous waste? 🔲 Yes 🔲 No | | | | | | | |
| Project Superintendent Comments: | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |
| Project Superintendent Certification | Project Manager Certification | | | | | | | |
| I certify that this document and all attachments were prepared under my direction or supervision. Based on my inquiry of those persons | I certify that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to | | | | | | | |
| directly responsible for gathering the information, the information | assure that qualified personnel properly gather and evaluate the | | | | | | | |
| submitted is, to the best of my knowledge and belief, true, accurate, | information submitted. Based on my inquiry of the persons who | | | | | | | |
| and complete. | manage the system and/or are directly responsible for gathering the information, the information is, to the best of my knowledge and | | | | | | | |
| | belief, true, accurate, and complete. | | | | | | | |
| MIKE EPSON | Matthow Dunn | | | | | | | |
| Project Superintendent Printed Name | | | | | | | | |
| 71 | Project Manager Printed Name | | | | | | | |
| - While Styre | * | | | | | | | |
| Project Superintendent Signature | * | | | | | | | |
| Make Jym | Project Manager Printed Name | | | | | | | |

| SOP SECT.# | SOP STEP | COMPLETED (Y - N - N/A) |
|---------------|---|----------------------------|
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| 4.7 | Verification of successful decontamination was conducted in accordance with Section 8. | 7 |

| HWMU/SWM | U: <u>DMK /</u> | FARM | D2 | P/45> | DATE: | 3/12/09 |
|--------------------------------------|----------------------|-----------|------------|-------|---------------------------|---|
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| SOP SECT. # | | | | COI | MMENTS | |
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| I have completed observations, and a | this form based | on my a | actions o | | | sonal observations and/or inquiry of |
| and accurate. | allest that the mild | imadon no | tea is tru | | | luals, I attest that this form was ately completed. |
| | | | | | | 0 1/1 |
| Lea | ad Technician Signa | iture | | | Projec | t Superintendent Signature |
| | | | | | - | IKE GIZSON |
| Lead | Technician Printed | Name | | | Project S | Superintendent Printed Name |
| | 3/12/0 | 9 | | | 5 gg #65 4 mg mg mg | 3/12/09 |
| | "Date | | | | | Date |

| | | UNIT IDENTI | FICATION | | | | | | |
|--|--------------------------|-------------------------|---------------|---------------|---------------------------------------|---------------------------------------|--|--|--|
| HWMU/SWMU N | Name: 7 | MIK FARM | | 323 | | | | | |
| Floor Surface Are | 7 | | | 30 | ين د | ° C 64 | | | |
| Minimum numbe | er of 1-square foot | Sq. ft. | | race Area. | <u></u> | 7 Sq. ft. | | | |
| | tions or one per 500 | | | | | 4+1 | | | |
| | 110110 01 0110 011 | 34 it, Willelierer 10 8 | reates) | | | , , , | | | |
| FIRST THREE LOCATIONS AND GENERAL AREA | | | | | | | | | |
| Location 1: | Bottom of blind s | ump (specify locat | ion): C_2^2 | 8017R | × | | | | |
| Observations: | | | | | | | | | |
| | | | | | | | | | |
| Surface contami | ination: 🗖 Yes 🍱 N | lo Staining: 🚨 | Yes 🔼 No | Residues i | n cracks, pits: (| Yes 🗖 No | | | |
| Location #2: | | GTH WEST | | | | | | | |
| Note: If the subject | t unit is a tank farm, t | his location must be | beneath a t | ank or previo | us location of a | tank. | | | |
| Observations: | | | 7 | • | | | | | |
| | | | | | | | | | |
| Surface contami | ination: 🗖 Yes 💆 N | lo Staining: 🗖 | Yes 🖫 No | Residues ii | n cracks, pits: [| Yes 🗷 No | | | |
| Location #3: | | CENTER | | | | | | | |
| Note: if the subject | unit is a tank farm, t | his location must be | on an inside | wall within c | one (1) foot of th | ne floor. | | | |
| Observations: | | | | | | | | | |
| | | | | | | | | | |
| Surface contami | nation: 🗖 Yes 💆 N | lo Staining: 🗖 | Yes 🔯 No | Residues in | n cracks, pits: [| Yes 2 No | | | |
| Remaining Areas | 416 | | | | | | | | |
| Observations: | | | | | | · · · · · · · · · · · · · · · · · · · | | | |
| | | | | | | | | | |
| Surface contami | nation: 🗆 Yes 📮 N | o Staining: 🗖 | Yes 📮 No | Residues in | n cracks, pits: [| Yes No | | | |
| | | | | | · · · · · · · · · · · · · · · · · · · | | | | |
| ADI | DITIONAL LOCATIO | NS, if necessary; o | attach addi | tional sheets | s as required | | | | |
| Identify Location | | RAMA | | | | | | | |
| Observations: | <u>.</u> | | 6 100 | 7.1.2 | | | | | |
| | | | | | | | | | |
| Surface contami | nation: 🗖 Yes 💆 N | o Staining: 🔲 | Vac DINO | Raciduas ir | r cracks, pits: [| T Vac TIMA | | | |
| Identify Location # | | o Jacaning. | 163 42 140 | Nesidues ii | i Ciacks, pits. | I 162 PR IAC | | | |
| | Tana acscribe. | | | | *** | | | | |
| Observations: | | | | | | | | | |
| Surface contamir | nation: 🔲 Yes 🔲 N | Ctaining: D | / □ No | Daniduna in | | 3 / D N | | | |
| Identify Location # | | o Staining: 🔲 | res Lino | Kesiaues ii | rcracks, pits: [| J Yes ⊔ No | | | |
| Observations: | + and describe. | | | | | | | | |
| Observations. | | | | | | | | | |
| Surface contamir | nation: 🗖 Yes 📮 N | o Staining: 🗖 Y | /es D No | Residues in | cracks, pits: | T Voc □ No | | | |
| Remaining Interior | | 5 (Stanting, — | 103 🕳 110 | Nesidues ii | r Cracks, pres. | I les Livo | | | |
| Observations: | r Sarraces | | | | | | | | |
| | | | | | | | | | |
| Surface contamir | nation: 🗆 Yes 🚨 No | o Staining: 🗖 Y | res □ No T | Residues in | cracks, pits: C | l Yes □ No | | | |

Staining: ☐ Yes ☐ No Residues in cracks, pits: ☐ Yes ☐ No

| | | Unit Iden | tificati | ion | |
|---|---|---|--|--|--|
| HWMU/SWMU Name: | TANK | FARM | n | 202 | |
| | | | | | |
| | V | erification | n Comr | nents | |
| | | | | | |
| | - Andrews | | | | |
| | ************************************** | | | | |
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| | | | | | |
| NOTES See Romic Southwest Closu | re SOP Section | 8 for guid | ance. A | Attach u | init diagram or sketch. |
| | | | | | V |
| | | Verificatio | on Res | ults | |
| | ⊠ Pa | ass | | ☐ Fa | ail |
| free of all visible contaminated shadows, slight streaks, or minor | soil and hazardous r discolorations, an | waste excepted soil and w | pt that i | residual s cracks, cr | urface, when viewed without magnification, is staining from soil and waste consisting of light revices, and pits may be present provided that o more than 5% of each square inch of surface |
| | , Project Superii | ntendent t | o decid | de wheti | her to repeat decontamination |
| Repeat Decontamination? | | | | | as hazardous waste? 🗖 Yes 📮 No |
| Project Superintendent Co | mments: | | | | |
| | | | | | |
| Project Superintend | lent Certificatio | n | | Pro | oject Manager Certification |
| I certify that this document and all at my direction or supervision. Based directly responsible for gathering the submitted is, to the best of my known and complete. | ttachments were prep on my inquiry of the he information, the | pared under ose persons information | my dire assure informa manag informa | y that this of ection or so that quali ation subnue the syste ation, the | document and all attachments were prepared under upervision in accordance with a system designed to ified personnel properly gather and evaluate the mitted. Based on my inquiry of the persons who em and/or are directly responsible for gathering the information is, to the best of my knowledge and rate, and complete. |
| MILE | GIPSON | , | | / | Motthew Donn |
| Project Superintende | nt Printed Name | | | | Project Manager Printed Name |
| mil. h | Man | The second second | | C | M |
| Project Superinten | dent signature | | | | Project Manager Signature |
| 3/12/ | 09 | | | | 3/18/09 |
| Data. | | | t | | Date |

HWMU/SWMU: VAC POT / THIN FUM DATE: 3/6/09

| SOP SECT.# | SOP STEP | COMPLETED (Y - N - N/A) |
|---------------|---|----------------------------|
| 4.1 | A visual inspection of concrete surfaces to include sumps, floors, walls and berms was made to ascertain the safest and most effective decontamination approach. | 3 |
| 4.1 | Concrete surfaces and epoxy coatings were inspected for cracks, gaps, peeling, bubbles, or other major structural defects prior to decontamination to determine potential subsurface soil sampling locations. | 4 |
| 4.1 | Any cracks that were observed to extend through the entire thickness of the concrete slab were sealed using non-toxic caulking. | NA |
| 4.1 | Gradients and slope were considered when determining where to allow washwater to flow for collection. | 4 |
| 4.2 | Metallic or non porous items that would interfere with decontamination were disassembled. They were either placed into containers for decontamination as miscellaneous equipment or disposed as hazardous waste. | 4 |
| 4.2 | For concrete pads where curbing is not present, a temporary water proof berming material was installed. | na |
| 4.2 | Spray barriers or protective sheeting were installed (if there is a possibility of overspray beyond the containment area). | Y |
| 4.2 | Washing equipment and supplies, water sources and washwater collection points were available. | Y |
| 4.2 | Ingress and egress were limited to a single retaining wall stair well or ladder. | + |
| 4.2 | Emergency equipment and PPE decontamination stations were in place. | 4 |
| 4.2 | Transfer and containment of spent washwater were in place. | Y |
| 4.3 | All debris and loose dirt were swept up and placed into containers for disposal as hazardous waste. | ig |
| 4.4 | If needed, heavily stained or discolored concrete surfaces were pre-soaked with washwater or a sodium hydroxide solution. (Should staining or contamination persist after pressure washing then impacted concrete sections will be subject to the procedures in Section 5). Solution used: | Ма |
| 4.5 | Surfaces were pressure washed. Decontamination work was performed evenly on surfaces starting from the highest contours. Blank or blind sumps were power washed. | i, |
| 4.5 | Sumps and collection points were continuously pumped. Spent washwater was transferred to temporary storage tank. | 4 |
| 4.6 | A single rinse with clean water was applied evenly on surfaces starting from the highest contours working down to sumps. | ¥ |
| 4.6 | Spent rinseate was collected into a temporary storage tank. | 7 |
| 4.7 | Verification of successful decontamination was conducted in accordance with Section 8. | in |

| HWMU/SWMU: VAC POT / THE | 1 FUM PAD DATE: 3/6/09 |
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| SOP SECT. # | COMMENTS |
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| I have completed this form based on my a observations, and attest that the information no and accurate. | responsible individuals, I attest that this form was properly and accurately completed. |
| | Mile System |
| Lead Technician Signature | Project Superintendent Signature |
| | MINE GIPSON |
| Lead Technician Printed Name | Project Superintendent Printed Name |
| 3/7/08 | 3/11/09 |
| Date | Date |

| UNIT IDENTIFICATION | | | | | | | | | |
|---|--------------|------------------|----------|--------------|---|----------------|---------------|-------------------|-------------|
| HWMU/SWMU N | | vac ? | 107 | 17741 | s t | Fien | 1240 | | |
| Floor Surface Are | ea: | | | Sq. | 1 | | | 60 | Sq. ft. |
| Minimum numbe | | are foot cl | ose e | examinatio | on loc | cations | | L | |
| (at least three loca | tions or one | e per 500 so | q ft, v | vhichever is | s grea | iter) | | | 37/ |
| | | EIDST TI | UDEE | LOCATIO | AIC A | ND GENE | RAL AREA | | |
| Location 1: | Bottom c | | | | | | CENTEL | | |
| Observations: | | | 1.10- 1- | peen, iee | atio. | 1/. | | | |
| | | | | | | | Lawest | Benefit | |
| Surface contami | ination: 🗖 | Yes 🗘 No |) ! | Staining: [| ☐ Ye | s No | Residues i | n cracks, pits: | ☐ Yes ☑ No |
| Location #2: | | FER | NEI | e u | 9c | POT | 1000 | っつつし | |
| Note: If the subject | unit is a ta | nk farm, th | is loc | ation must | be bo | eneath a t | ank or previo | us location of a | tank. |
| Observations: | | | | | | | | | |
| Surface contami | nation: 🚨 | Yes 🗷 No |) [9 | Staining: [| ⊒ Ye | s U YNo | Residues in | n cracks, pits: | ☐ Yes ☐KNo |
| Location #3: | | non | 377 | 40005 | | 139200 | e Qu | લઇ | |
| Note: if the subject | unit is a ta | nk farm, th | is loc | ation must | be or | n an inside | wall within c | one (1) foot of t | he floor. |
| Observations: | | | | | | | | | |
| Surface contami | nation: 🛚 | Yes 🖾 No |) 5 | Staining: [| ☐ Ye | s 🖾 No | Residues ii | n cracks, pits: | ☐ Yes ☑ No |
| Remaining Areas | | | | | | | | | |
| Observations: | | | | | | - | | | |
| Surface contamination: ☐ Yes ☐ No Staining: ☐ Yes ☐ No Residues in cracks, pits: ☐ Yes ☐ No | | | | | | | | | |
| | | | | | | | | | |
| ADI | DITIONAL | LOCATION | IS, if | necessary | /; att | ach addit | tional sheet: | s as required | |
| Identify Location | # and des | cribe: | | RAM P | > | 81179R | ENCE | | |
| Observations: | | | | ę v | | | | | |
| | | . <u> </u> | | | | | | | |
| Surface contami | nation: 🚨 | Yes Ç ¥No | S | Staining: 🛭 | ☐ Yes | VA No | Residues ir | n cracks, pits: | ☐ Yes Æ No |
| Identify Location | # and desc | cribe: | | | | | | W- 10 D | |
| Observations: | | | | | | | | | |
| Surface contami | nation: 🚨 | Yes 🛭 No | S | Staining: [| ☐ Yes | □ No | Residues ir | n cracks, pits: | ☐ Yes ☐ No |
| Identify Location # | and desc | ribe: | | | *************************************** | | | | |
| Observations: | | | | | | | | | |
| Surface contamir | nation: 🗖 ՝ | Yes 🔲 No | S | Staining: | ⊒ Yes | □ No □ | Residues ir | n cracks, pits: | ☐ Yes ☐ No |
| Remaining Interio | r Surfaces | | | | | | <u></u> | | |
| Observations: | | | | | | | | | |
| Surface contamir | ation: D | Vac II No | 10 | taining: [| 7 ٧00 | - FI No | Posiduos ir | cracks nits: | T Vac D Na |

| | Unit Iden | tification | | | | | | |
|---|----------------------|---|--|-----------------|--|--|--|--|
| HWMU/SWMU Name: | Vac | P0 T | PHIN | FIERE | 245 | | | |
| | | | | | | | | |
| Verification Comments | | | | | | | | |
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| NOTES | | | | | | | | |
| See Romic Southwest Clos | ure SOP Sectio | on 8 for guid | ance. Attach ι | unit diagram o | r sketch. | | | |
| | | | | | | | | |
| | Verification Results | | | | | | | |
| | ail | | | | | | | |
| "Pass" indicates that each surface has passed visual inspection; that is, each surface, when viewed without magnification, is | | | | | | | | |
| free of all visible contaminated soil and hazardous waste except that residual staining from soil and waste consisting of light shadows, slight streaks, or minor discolorations, and soil and waste in cracks, crevices, and pits may be present provided that | | | | | | | | |
| shadows, slight streaks, or minor discolorations, and soil and waste in cracks, crevices, and pits shall be limited to no r | | | | | | | | |
| area. [ref 40 CFR 268.45 Table 1] | | | | desentamination | | | | |
| If equipment failed, Project Superintendent to Repeat Decontamination? Yes No Cut of | | | | | waste? Yes No | | | |
| Project Superintendent Co | | Curo | at and dispose | . us nazaraous | waste. wites | | | |
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| | | | | | | | | |
| Project Superinten | | Project Manager Certification | | | | | | |
| I certify that this document and all my direction or supervision. Based | • | • | • | | attachments were prepared under rdance with a system designed to | | | |
| my direction or supervision. Based on my inquiry of those persons directly responsible for gathering the information, the information | | | assure that qualified personnel properly gather and evaluate the | | | | | |
| submitted is, to the best of my knowledge and belief, true, accurate, and complete. | | information submitted. Based on my inquiry of the persons who manage the system and/or are directly responsible for gathering the | | | | | | |
| and complete. | | | information, the information is, to the best of my knowledge and | | | | | |
| | | | belief, true, accurate, and complete. | | | | | |
| MIKE GIPSON | | | Matthew Dune | | | | | |
| Project Superintend | | Project Manager Printed Name | | | | | | |
| Make | 1 | ne de la companya de | | The The | | | | |
| Project Superinte | ndent signature | | | Project Manag | ger Signature | | | |
| 3/ | 11/09 | | 3/18/09 | | | | | |
| Dat | | | Dat | 10 | | | | |

HWMU/SWMU: REBOILER ROOM PLANS/WMDATE: 2/23/04

| SOP SECT.# | SOP STEP | COMPLETED (Y - N - N/A) |
|---------------|---|----------------------------|
| 4.1 | A visual inspection of concrete surfaces to include sumps, floors, walls and berms was made to ascertain the safest and most effective decontamination approach. | 4 |
| 4.1 | Concrete surfaces and epoxy coatings were inspected for cracks, gaps, peeling, bubbles, or other major structural defects prior to decontamination to determine potential subsurface soil sampling locations. | 4 |
| 4.1 | Any cracks that were observed to extend through the entire thickness of the concrete slab were sealed using non-toxic caulking. | nA |
| 4.1 | Gradients and slope were considered when determining where to allow washwater to flow for collection. | 4 |
| 4.2 | Metallic or non porous items that would interfere with decontamination were disassembled. They were either placed into containers for decontamination as miscellaneous equipment or disposed as hazardous waste. | 7 |
| 4.2 | For concrete pads where curbing is not present, a temporary water proof berming material was installed. | n4 |
| 4.2 | Spray barriers or protective sheeting were installed (if there is a possibility of overspray beyond the containment area). | ¥ |
| 4.2 | Washing equipment and supplies, water sources and washwater collection points were available. | ¥ |
| 4.2 | Ingress and egress were limited to a single retaining wall stair well or ladder. | 4 |
| 4.2 | Emergency equipment and PPE decontamination stations were in place. | V |
| 4.2 | Transfer and containment of spent washwater were in place. | 4 |
| 4.3 | All debris and loose dirt were swept up and placed into containers for disposal as hazardous waste. | 4 |
| 4.4 | If needed, heavily stained or discolored concrete surfaces were pre-soaked with washwater or a sodium hydroxide solution. (Should staining or contamination persist after pressure washing then impacted concrete sections will be subject to the procedures in Section 5). Solution used: | n.a |
| 4.5 | Surfaces were pressure washed. Decontamination work was performed evenly on surfaces starting from the highest contours. Blank or blind sumps were power washed. | Y |
| 4.5 | Sumps and collection points were continuously pumped. Spent washwater was transferred to temporary storage tank. | <i>}</i> |
| 4.6 | A single rinse with clean water was applied evenly on surfaces starting from the highest contours working down to sumps. | 4 |
| 4.6 | Spent rinseate was collected into a temporary storage tank. | 4 |
| 4.7 | Verification of successful decontamination was conducted in accordance with Section 8. | i, |

| HWMU/SWMU: REBOILED FROM FO | DATE: 2/>3/09 | | | | | |
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| SOP SECT. # | COMMENTS | | | | | |
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| { hours completed this f | | | | | | |
| I have completed this form based on my actions or observations, and attest that the information noted is true and accurate. | Based on my personal observations and/or inquiry of responsible individuals, I attest that this form was properly and accurately completed. | | | | | |
| | mk Six | | | | | |
| Lead Technician Signature | Project Superintendent Signature | | | | | |
| | MIKE ENDSON | | | | | |
| Lead Technician Printed Name | Project Superintendent Printed Name | | | | | |
| 2/23/29 | 2/25/09 | | | | | |
| Date | Date | | | | | |

| HWMU/SWMU Name: | | | | |
|--|--|--|--|--|
| Floor Surface Area: | | | | |
| Surface contamination: Yes No Staining: Yes No No No No No No No N | | | | |
| Surface contamination: Yes | | | | |
| Bottom of blind sump (specify location): SoutTH CS TTTTC | | | | |
| Bottom of blind sump (specify location): SoutTH CS TTTTC | | | | |
| Surface contamination: | | | | |
| Note: If the subject unit is a tank farm, this location must be beneath a tank or previous location of a tank. Observations: | | | | |
| Note: If the subject unit is a tank farm, this location must be beneath a tank or previous location of a tank. Observations: | | | | |
| Note: If the subject unit is a tank farm, this location must be beneath a tank or previous location of a tank. Observations: Surface contamination: Yes No Staining: Yes No Residues in cracks, pits: Yes No Note: if the subject unit is a tank farm, this location must be on an inside wall within one (1) foot of the floor. Observations: Surface contamination: Yes No Staining: Yes No Residues in cracks, pits: Yes No Remaining Areas Observations: Surface contamination: Yes No Staining: Yes No Residues in cracks, pits: Yes No No Remaining Areas Observations: Surface contamination: Yes No Staining: Yes No Residues in cracks, pits: Yes No No Residues in cr | | | | |
| Surface contamination: | | | | |
| Surface contamination: | | | | |
| Location #3: | | | | |
| Location #3: | | | | |
| Note: if the subject unit is a tank farm, this location must be on an inside wall within one (1) foot of the floor. Observations: Surface contamination: Yes No Staining: Yes No Residues in cracks, pits: Yes No Remaining Areas Observations: Surface contamination: Yes No Staining: Yes No Residues in cracks, pits: Yes No Residues in cracks, pits: Yes No Residues in cracks, pits: Yes No | | | | |
| Surface contamination: | | | | |
| Remaining Areas Observations: Surface contamination: Yes No Staining: Yes No Residues in cracks, pits: Yes No ADDITIONAL LOCATIONS, if necessary; attach additional sheets as required Identify Location # and describe: | | | | |
| Remaining Areas Observations: Surface contamination: Yes No Staining: Yes No Residues in cracks, pits: Yes No ADDITIONAL LOCATIONS, if necessary; attach additional sheets as required Identify Location # and describe: | | | | |
| Surface contamination: Yes No Staining: Yes No Residues in cracks, pits: Yes No ADDITIONAL LOCATIONS, if necessary; attach additional sheets as required Identify Location # and describe: | | | | |
| Surface contamination: Yes No Staining: Yes No Residues in cracks, pits: Yes No ADDITIONAL LOCATIONS, if necessary; attach additional sheets as required Identify Location # and describe: EAST CENTER OF PAMP (BAY DEED) Observations: FLCCC Surface contamination: Yes No Staining: Yes No Residues in cracks, pits: Yes No Identify Location # and describe: | | | | |
| ADDITIONAL LOCATIONS, if necessary; attach additional sheets as required Identify Location # and describe: EAST CENTAL OF PAME (BAY DEED) Observations: FLCCO Surface contamination: Yes Yes Yoo Residues in cracks, pits: Yes Yoo Identify Location # and describe: | | | | |
| ADDITIONAL LOCATIONS, if necessary; attach additional sheets as required Identify Location # and describe: EAST CENTAL OF PAME (BAY DEED) Observations: FLCCO Surface contamination: Yes Yes Yoo Residues in cracks, pits: Yes Yoo Identify Location # and describe: | | | | |
| Identify Location # and describe: EAST CENTRE OF PAMP (BAY DEED) Observations: FLOOR Surface contamination: □ Yes ☑No Staining: □ Yes ☑No Residues in cracks, pits: □ Yes ☑No Identify Location # and describe: | | | | |
| Identify Location # and describe: EAST CENTRE OF PAMP (BAY DEED) Observations: FLOOR Surface contamination: □ Yes ☑No Staining: □ Yes ☑No Residues in cracks, pits: □ Yes ☑No Identify Location # and describe: | | | | |
| Observations: Flee Surface contamination: Yes | | | | |
| Observations: Surface contamination: Yes Mo Staining: Yes Mo Residues in cracks, pits: Yes Mo Identify Location # and describe: | | | | |
| Surface contamination: Yes No Staining: Yes No Residues in cracks, pits: Yes No Identify Location # and describe: | | | | |
| Identify Location # and describe: | | | | |
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| Observations: | | | | |
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| Surface contamination: Yes No Staining: Yes No Residues in cracks, pits: Yes No | | | | |
| Identify Location # and describe: | | | | |
| Observations: | | | | |
| Surface contamination: Yes No Staining: Yes No Residues in cracks, pits: Yes No | | | | |
| Remaining Interior Surfaces | | | | |
| Observations: | | | | |
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| | Unit Ider | ntification | | | | | | |
|--|---|---|--|--|--|--|--|--|
| HWMU/SWMU Name: | DISTRIPTION | REBOURD 2000 | | | | | | |
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| | Verification Comments | | | | | | | |
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| NOTES See Romic Southwest Closure SOP Section 8 for guidance. Attach unit diagram or sketch. | | | | | | | | |
| | Verificati | on Results | | | | | | |
| Pass | | | | | | | | |
| free of all visible contaminated shadows, slight streaks, or min | d soil and hazardous waste exce for discolorations, and soil and w il in cracks, crevices, and pits sha | n; that is, each surface, when viewed without magnification, is pt that residual staining from soil and waste consisting of light vaste in cracks, crevices, and pits may be present provided that all be limited to no more than 5% of each square inch of surface | | | | | | |
| | | o decide whether to repeat decontamination | | | | | | |
| Repeat Decontamination? | | ut and dispose as hazardous waste? 🛭 Yes 🔲 No | | | | | | |
| Project Superintendent Co | omments: | | | | | | | |
| | | | | | | | | |
| Project Superinten | | Project Manager Certification | | | | | | |
| I certify that this document and all my direction or supervision. Based directly responsible for gathering submitted is, to the best of my known and complete. | d on my inquiry of those persons the information | my direction or supervision in accordance with a system designed to | | | | | | |
| | ~325,00 | Matthew Dunn | | | | | | |
| Project Superintend | lent Printed Name | Project Manager Printed Name | | | | | | |
| Wiske. | The | (mb) | | | | | | |
| Project Superinte | ndent Signature | Project Manager Signature | | | | | | |
| 31: | 25/09 | 2/26/09 | | | | | | |
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| HWMU/SWMU: | VOC | concident | CHE_ | DATE: _ | 3/6 | 109 | |

| SOP SECT.# | SOP STEP | COMPLETED (Y - N - N/A) |
|---------------|---|----------------------------|
| 4.1 | A visual inspection of concrete surfaces to include sumps, floors, walls and berms was made to ascertain the safest and most effective decontamination approach. | 4 |
| 4.1 | Concrete surfaces and epoxy coatings were inspected for cracks, gaps, peeling, bubbles, or other major structural defects prior to decontamination to determine potential subsurface soil sampling locations. | ů, |
| 4.1 | Any cracks that were observed to extend through the entire thickness of the concrete slab were sealed using non-toxic caulking. | nA |
| 4.1 | Gradients and slope were considered when determining where to allow washwater to flow for collection. | 4 |
| 4.2 | Metallic or non porous items that would interfere with decontamination were disassembled. They were either placed into containers for decontamination as miscellaneous equipment or disposed as hazardous waste. | 4 |
| 4.2 | For concrete pads where curbing is not present, a temporary water proof berming material was installed. | n.a |
| 4.2 | Spray barriers or protective sheeting were installed (if there is a possibility of overspray beyond the containment area). | () |
| 4.2 | Washing equipment and supplies, water sources and washwater collection points were available. | Y |
| 4.2 | Ingress and egress were limited to a single retaining wall stair well or ladder. | 4 |
| 4.2 | Emergency equipment and PPE decontamination stations were in place. | 4 |
| 4.2 | Transfer and containment of spent washwater were in place. | ķ. |
| 4.3 | All debris and loose dirt were swept up and placed into containers for disposal as hazardous waste. | · · |
| 4.4 | If needed, heavily stained or discolored concrete surfaces were pre-soaked with washwater or a sodium hydroxide solution. (Should staining or contamination persist after pressure washing then impacted concrete sections will be subject to the procedures in Section 5). Solution used: | MA |
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| 4.5 | Sumps and collection points were continuously pumped. Spent washwater was transferred to temporary storage tank. | ٢ |
| 4.6 | A single rinse with clean water was applied evenly on surfaces starting from the highest contours working down to sumps. | ۲ |
| 4.6 | Spent rinseate was collected into a temporary storage tank. | ** |
| 4.7 | Verification of successful decontamination was conducted in accordance with Section 8. | |

| HWMU/SWMU | : Vec concarry 240 | DATE: | 3/6/09 |
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| SOP SECT. # | | COMMENTS | |
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| I have completed | this form based on my actions or | | l observations and/or inquiry of |
| observations, and at and accurate. | test that the information noted is true | | , I attest that this form was |
| and accurate. | | properly and accurately | completed. |
| | | ~M. 1 | 1 -1 22 |
| Lead | d Technician Signature | Project Sup | erintendent Signature |
| | | | |
| | | | e endson |
| Lead | Fechnician Printed Name | Project Super | intendent Printed Name |
| <u></u> | 3/9/09 | 3/4 | 9 /0 9 Date |
| | Date | | Date |

| UNIT IDENTIFICATION | | | | | | | | | |
|--|-------------|----------|--------------|-------------|------------------|--|-----------------|---|--------------|
| HWMU/SWMU N | | | vo. | C PA | -5 | | | 2.1 | |
| Floor Surface Are | :a: | | 11 | <i>೦೦</i> s | q. ft. | Wall Sur | face Area: | | 10 Sq. ft. |
| Minimum numbe | - | | | | | | | | |
| (at least three loca | tions or or | ne per 5 | 00 sq ft | i, whicheve | r is gre | ater) | | | - Canada |
| | | FIRS | T THR | FF LOCAT | IONS / | AND GENE | RAL AREA | P-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1 | |
| Location 1: | Bottom | | | | | | | fluire. | cented. |
| Observations: | | | | | | | | | |
| Surface contami | ination: [| ⊒ Yes ℂ | ≱ ∕No | Staining | ;: 🔲 Y | es 🗹 No | Residues i | n cracks, pits | : 🛘 Yes 🗘 No |
| Location #2: | | Fin | 1514 | | | | | WO AR | |
| Note: If the subject | unit is a t | | | | | | | | |
| Observations: | | | | | | | | | |
| Surface contami | nation: [| ⊒ Yes 🗓 | 4 No | Staining | : U Y | es 🖫 No | Residues i | n cracks, pits | : 🗆 Yes 🔯 No |
| Location #3: | | | | | | | | | |
| Note: if the subject | unit is a t | ank farr | n, this l | ocation mu | ıst be c | on an inside | e wall within c | one (1) foot of | the floor. |
| Observations: | | | | | | | | | |
| Surface contami | nation: [|]Yes □ | ⊒ No | Staining | : U Y | es 🛭 No | Residues i | n cracks, pits | : 🗆 Yes 🗀 No |
| Remaining Areas | | | | | | | | | |
| Observations: | | | | | | | | - | |
| Surface contami | nation: 🕻 |] Yes Ĉ | ≱ No | Staining | : 🔲 Ye | es Ó /No | Residues in | n cracks, pits | : 🗆 Yes 🖳 No |
| | | | | | | | | | |
| ADDITIONAL LOCATIONS, if necessary; attach additional sheets as required | | | | | | | | | |
| Identify Location # and describe: | | | | | | | | | |
| Observations: | | | | | , | | | | |
| Surface contami | nation: 🕻 | Yes [|) No | Staining | : \(\) Ye | es 🔲 No | Residues ii | n cracks, pits | : 🗆 Yes 🚨 No |
| Identify Location # and describe: | | | | | | | | | |
| Observations: | - | | | | | | | | |
| Surface contami | nation: 🕻 |]Yes □ |] No | Staining | : Q Ye | es 🚨 No | Residues in | n cracks, pits | : 🗆 Yes 🚨 No |
| Identify Location | # and de | scribe: | | | | | | | |
| Observations: | | | | | | | | | |
| Surface contamii | nation: 🗆 | lYes □ | l No | Staining | : 🔲 Υε | es 🛭 No | Residues ir | n cracks, pits: | : 🔲 Yes 🔲 No |
| Remaining Interio | r Surface | :S | | | | | | | |
| Observations: | | | | | | The state of the s | | | |
| Surface contamir | nation: 🗆 | Yes [| No | Staining | : 🔲 Y€ | es 🗆 No | Residues ir | n cracks, pits: | : 🗆 Yes 🚨 No |

| Unit Ide | ntification | | | | | | |
|--|--|--|--|--|--|--|--|
| HWMU/SWMU Name: VOC 1411.7 | 7%) | | | | | | |
| | | | | | | | |
| Verification Comments | | | | | | | |
| | | | | | | | |
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| NOTES See Romic Southwest Closure SOP Section 8 for guidance. Attach unit diagram or sketch. | | | | | | | |
| Verificat | ion Results | | | | | | |
| Pass | ☐ Fail | | | | | | |
| free of all visible contaminated soil and hazardous waste exc shadows, slight streaks, or minor discolorations, and soil and | on; that is, each surface, when viewed without magnification, is ept that residual staining from soil and waste consisting of light waste in cracks, crevices, and pits may be present provided that hall be limited to no more than 5% of each square inch of surface | | | | | | |
| The state of the s | to decide whether to repeat decontamination | | | | | | |
| Repeat Decontamination? Yes No Cut o | out and dispose as hazardous waste? 🗖 Yes 🔲 No | | | | | | |
| Project Superintendent Comments: | | | | | | | |
| | | | | | | | |
| Project Superintendent Certification | Project Manager Certification | | | | | | |
| I certify that this document and all attachments were prepared under my direction or supervision. Based on my inquiry of those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. | my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the | | | | | | |
| Miles Guison | Matthew Dunce | | | | | | |
| Project Superintendent Printed Name | Project Manager Printed Name | | | | | | |
| Make Lift | M | | | | | | |
| Project Superintendent Signature | Project Manager Signature | | | | | | |
| 3/9/09 | 3/10/09 | | | | | | |

HWMU/SWMU: DRUM STUDICE BUIDING DATE: 3/11/09

| SOP SECT.# | SOP STEP | COMPLETED (Y - N - N/A) |
|---------------|---|----------------------------|
| 4.1 | A visual inspection of concrete surfaces to include sumps, floors, walls and berms was made to ascertain the safest and most effective decontamination approach. | ÿ |
| 4.1 | Concrete surfaces and epoxy coatings were inspected for cracks, gaps, peeling, bubbles, or other major structural defects prior to decontamination to determine potential subsurface soil sampling locations. | Υ |
| 4.1 | Any cracks that were observed to extend through the entire thickness of the concrete slab were sealed using non-toxic caulking. | M |
| 4.1 | Gradients and slope were considered when determining where to allow washwater to flow for collection. | 7 |
| 4.2 | Metallic or non porous items that would interfere with decontamination were disassembled. They were either placed into containers for decontamination as miscellaneous equipment or disposed as hazardous waste. | ۲ |
| 4.2 | For concrete pads where curbing is not present, a temporary water proof berming material was installed. | NA |
| 4.2 | Spray barriers or protective sheeting were installed (if there is a possibility of overspray beyond the containment area). | Y |
| 4.2 | Washing equipment and supplies, water sources and washwater collection points were available. | ۲ |
| 4.2 | Ingress and egress were limited to a single retaining wall stair well or ladder. | 4 |
| 4.2 | Emergency equipment and PPE decontamination stations were in place. | Y |
| 4.2 | Transfer and containment of spent washwater were in place. | 4 |
| 4.3 | All debris and loose dirt were swept up and placed into containers for disposal as hazardous waste. | 4 |
| 4.4 | If needed, heavily stained or discolored concrete surfaces were pre-soaked with washwater or a sodium hydroxide solution. (Should staining or contamination persist after pressure washing then impacted concrete sections will be subject to the procedures in Section 5). Solution used: | M |
| 4.5 | Surfaces were pressure washed. Decontamination work was performed evenly on surfaces starting from the highest contours. Blank or blind sumps were power washed. | Y |
| 4.5 | Sumps and collection points were continuously pumped. Spent washwater was transferred to temporary storage tank. | , |
| 4.6 | A single rinse with clean water was applied evenly on surfaces starting from the highest contours working down to sumps. | Y |
| 4.6 | Spent rinseate was collected into a temporary storage tank. | 4 |
| 4.7 | Verification of successful decontamination was conducted in accordance with Section 8. | 4 |

| HWMU/SWMU: | DEWN STENDIES DUD | MO DATE: | 3/11/09 |
|--------------------------------------|---------------------------------------|---|---|
| | | | |
| SOP SECT. # | | COMMENTS | |
| 30F 3EC1.# | | COMMENTS | |
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| I have completed thi | is form based on my actions or | Based on my per | sonal observations and/or inquiry of |
| observations, and atte and accurate. | st that the information noted is true | responsible individe properly and accura | luals, I attest that this form was ately completed. |
| 72. | | | 1 / |
| T hea I | Fechnician Signature | Mal | licht |
| Leau I | ecinician Signature | | t Superintendent Signature |
| | | - | KE GIPSON |
| Lead Ted | chnician Printed Name | | Superintendent Printed Name |
| 7 | 10/00 | , 2 | 2/16/09 |

Date

| UNIT IDENTIFICATION | | | | | | | | |
|---|----------------|---------------------|---------|------------------------------|--|----------------|---|---|
| HWMU/SWMU I | Name: | | | | | | | *************************************** |
| Floor Surface Area: Minimum number of 1-se | | 11, | 43 | Sq. f | t. Wall Su | rface Area: | 100 | Sq. ft. |
| | | | | | | | | 11. + 0 |
| (at least three loca | tions or o | ne per 500 | sq ft, | whichever is | greater) | | | 10 |
| | | CID.CT | | | | | | |
| Location 1: | Bottom | | | EE LOCATION (specify loca | | | OF TRO. | ecrt |
| Observations: | | | | | | | | |
| Surface contam | ination: (| ⊒ Yes 💯 | No | Staining: | Yes 🔁 No | Residues | in cracks, pits: | ☐ Yes 🞾 No |
| Location #2: | | | 5 | ee m | terters | \$00 m | 7cm Sc | Herzu. |
| Note: If the subjec | t unit is a | tank farm, | this lo | ocation must l | e beneath a | tank or previo | ous location of a | ı tank. |
| Observations: | | | | | | | | |
| Surface contam | ination: (| ⊒iYes Ü y ül | Vo | Staining: | Yes 🕨 No | Residues i | in cracks, pits: | ☐ Yes ☑ No |
| Location #3: | | | | | | | 1 | |
| Note: if the subject | unit is a t | tank farm, | this lo | cation must b | e on an insid | de wall within | one (1) foot of t | the floor. |
| Observations: | | | | | | | | |
| Surface contam | nation: [| Yes 🔲 I | Vo | Staining: | l Yes 🚨 No | Residues i | n cracks, pits: | ☐ Yes ☐ No |
| Remaining Areas | | | | | | | | |
| Observations: | | | | | | | | |
| Surface contami | nation: 🕻 | Yes 🗆 1 | oV | Staining: 🗆 | Yes 🛭 No | Residues i | n cracks, pits: | ☐ Yes ☐ No |
| | | | | | | | | *************************************** |
| AD | DITIONA | L LOCATIO | ONS, | if necessary; | attach ada | litional sheet | s as required | |
| Identify Location | # and d | escribe: | | See A | Meires | Wean | in Schot | od . |
| Observations: | | | | | | | | |
| Surface contami | nation: \Box | Yes 💯 N | 10 | Staining: 🗆 | Yes 🔽 No | Residues i | n cracks, pits: | ☐ Yes 🐼 No |
| Identify Location | # and de | scribe: | | | | | | |
| Observations: | | | L | | | | - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 | |
| Surface contami | nation: 🕻 | Yes 🗆 N | 10 | Staining: | Yes 🛭 No | Residues i | n cracks, pits: | ☐ Yes ☐ No |
| Identify Location | and de | scribe: | l | | | | | |
| Observations: | | | I | | | | | - |
| Surface contami | nation: 🗆 | Yes 🗆 N | lo | Staining: 🔲 | Yes 🛭 No | Residues i | n cracks, pits: | ☐ Yes ☐ No |
| Remaining Interior Surfaces | | | | | | | | |
| Observations: | | | | | ************************************** | | | - |
| Surface contamir | nation: 🗆 | l Yes □ N | lo | Staining: 🗖 | Yes 🛭 No | Residues ii | n cracks, pits: | ☐ Yes ☐ No |

| Unit Identification | | | | | | |
|---|--|--|--|-----------------------------------|--|--|
| LDA/A ALL/CARDALLA | | | | | | |
| TIVVIVO/SVVIIIO Hunte. | DRUM | SAR | 108 | BUIDING | | |
| | A | Verification | n Comm | ents | | |
| | | | | | | |
| | | n contribution | | | | |
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| | | | | | | |
| NOTES See Romic Southwest Closure SOP Section 8 for guidance. Attach unit diagram or sketch. | | | | | | |
| | | Verification | on Resul | lts | | |
| | Ø | Pass | | ☐ Fail | | |
| "Pass" indicates that each surface has passed visual inspection; that is, each surface, when viewed without magnification, is free of all visible contaminated soil and hazardous waste except that residual staining from soil and waste consisting of light shadows, slight streaks, or minor discolorations, and soil and waste in cracks, crevices, and pits may be present provided that such staining and waste and soil in cracks, crevices, and pits shall be limited to no more than 5% of each square inch of surface area. [ref 40 CFR 268.45 Table 1] | | | | | | |
| lf equipment failed, | Project Supe | rintendent t | o deci <mark>de</mark> | whether to repeat decontamination | | |
| | Repeat Decontamination? Yes No Cut out and dispose as hazardous waste? Yes No | | | | | |
| Project Superintendent Con | Project Superintendent Comments: | | | | | |
| | | | | | | |
| Project Superintende | | | | Project Manager Certification | | |
| I certify that this document and all attachments were prepared under my direction or supervision. Based on my inquiry of those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. | | my directi assure th informatic manage th informatic | hat this document and all attachments were prepared under tion or supervision in accordance with a system designed to nat qualified personnel properly gather and evaluate the on submitted. Based on my inquiry of the persons who the system and/or are directly responsible for gathering the on, the information is, to the best of my knowledge and ie, accurate, and complete. | | | |
| MINE GREEN | | | Matthew Duna | | | |
| Project Superintendent Printed Name | | | Project Manager Printed Name | | | |
| Makelyn | | | (Red | | | |
| Project Superintendent Signature | | | | Project Manager Signature | | |
| 3/16/09 | | | | 3/18/09 | | |
| Date | | | | Date | | |